STELVIOKONTEK
engineering & manufacturing

KONN&go

CONNECTORS 2014

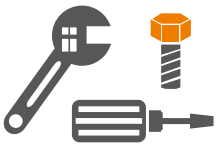
INNOVATION SUPPORTED BY A TRULY SOLID INDUSTRIAL ORGANIZATION.

Stelvio Kontek S.p.A. is one of the leading groups in the connectors market. With a solid background in the sector and having gained strength from the merger between Stelvio and Kontek Comatel in 2009, the group's ground-breaking production facilities and vertical organization result in high performance and innovation.
Technical experts operate in our in-house R&D department and at the production sites (Italy, Hungary, Romania) to transform sketches into reality.
The company designs, engineers and manufactures standardized & customized solutions using dedicated equipment, relying on its hi-tech facilities powered up with in-house technology.
Our products are type-tested in our laboratory, approved by the main international institutes (UL, VDE, IMQ) and comply with latest European directives (RoHS, WEEE, PFOS, REACh), ensuring that our commitment towards environment is consistent.
Simultaneously, our engagement *vis-à-vis* great missions is formalized through our constant and renewed support to the United Nation Global Compact.
Everyday, the group is proud to serve customers all over the world through its skilled rep's network, with the support of its central technical and sales offices.
This fully verticalized organization is our master tool that enables us to square things right. *Allo stato dell'arte*.

CONCEPT

RESEARCH & DEVELOPMENT

DESIGN

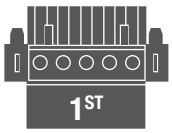


ENGINEERING

FULLY VERTICALIZED PRODUCTION.

Our structure is organised to satisfy even the most demanding customers needs from design to production and engineering.
We offer engineering, design and manufacturing of custom products with dedicated equipment, supported by a modern and fully verticalized structure and with all processes constantly under control. All of this thanks to unique in-house designed software's and hardware's.
Stelvio Kontek follows the whole development process: from design to production, validation and commercialization.

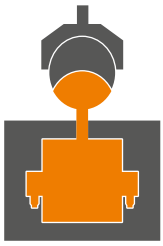
▶ Scan the qr-code with your smartphone and discover the flow of Stelvio Kontek's products, from the idea to your hands.



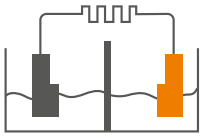
PROTOTYPING

PRODUCTION

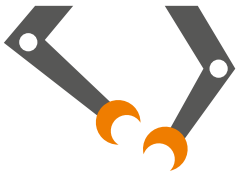
STAMPING & CUTTING



PLASTIC MOULDING



GALVANIC TREATMENT



ASSEMBLING

QUALITY CONTROL

MARKETING

LOGISTICS

CUSTOMER SERVICE

DELIVERY

BOARD TO BOARD CONNECTION PITCH 1.27 mm

MALE HEADER	PTH	straight	16-17
		right angle	18-19
		double base	20-21
	SMT	straight	22-23
		right angle	24
		double base	25-26
	PTH	polarized, straight	27
	SMT		28
SOCKET	SMT	polarized, straight	29
	PTH	straight	30-33
	SMT	straight	34-37

BOARD TO BOARD CONNECTION PITCH 2 mm

MALE HEADER	PTH	straight	40-41
		right angle	42-43
		double base	44-45
	SMT	straight	46-47
		right angle	48-49
		double base	50-51
SOCKET	PTH	straight	52-58
		right angle	59-61
	SMT	straight	62-70
		right angle	71-73
JUMPERS			74

BOARD TO BOARD CONNECTION PITCH 2.54 mm

MALE HEADER	PTH	straight	76-84
		right angle	85-94
		double base	95-96
	SMT	straight	97-98
		right angle	99-100
		double base	101-102
SOCKET	PTH	straight	103-114
		right angle	115
	SMT	straight	116-118
		right angle	119-120
JUMPERS			121-126

BOARD TO BOARD CONNECTION PITCH 3.96 mm

MALE HEADER	PTH	straight	128
		right angle	129
		double base	130
	SMT	straight	131
		double base	132
SOCKET	PTH	straight	133
	SMT	straight	134

BOARD TO BOARD CONNECTION PITCH 5.08 mm

MALE HEADER	PTH	straight	136-137
		right angle	138-139
		double base	140
	SMT	straight	141
		double base	142
SOCKET	PTH	straight	143-145
	SMT	straight	146-147

WIRE TO BOARD CONNECTION

2.5 mm pitch	crimp connector	crimp contact	150
		housing	151
		shrouded header	152
2.54 mm pitch	IDT	idt connector	153-154
	crimp connector	crimp contact	155
		housing	156-157
	Shrouded header	straight	158-159
		right angle	160-161
		SMT	162
3 mm pitch	crimp connector	female crimp contact	163
		housing	164-165
		male crimp contact	166
		housing	167-168
	Header	PTH	169-172
		SMT	173-174
4.20 mm pitch	crimp connector	female crimp contact	175
		housing	176-177
		male crimp contact	178
		housing	179-180
	Header	PTH	181-185
5 mm pitch	Header	PTH	186-187
5.08 mm pitch	crimp connector	crimp contact	188
		housing	189
		shrouded header	190
FAST-ON	Header	5.08 mm pitch	191
		7.62 mm pitch	192
		10.16 mm pitch	193
		12.7 mm pitch	194
		15.24 mm pitch	195

FFC CONNECTION

ZIF	ZIF 0.5 mm	side entry	198-203
		vertical entry	204-205
	ZIF 1 mm	side entry	206-207
		vertical entry	208
FFC	0.5 and 1 mm	cable	209

I/O

USB	A type	side entry receptacle	212-214
		vertical entry receptacle	215
		SMT side entry receptacle	216
	B type	side entry	217
		SMT side entry	218
	Mini USB	side entry	219
		SMT side entry	220-221
RJ MODULAR JACK	8 position	side entry	222
		side entry shielded with led	223-226

TURNED CONNECTORS AND TERMINALS

TERMINAL STRIP	straight	Male test strip	228-229
		“U” pins strip	230-232
		female test strip	233-234
TEST TERMINAL	fork	loose terminal	235-247
	male	loose terminal	248-253
	minifaston	loose terminal	254
	female	loose terminal	255-260
JUMPERS		loose terminal	261-265

TOOLING

	crimping tool for IDC	268
	crimping head	268
	cuting clamp	269
	crimping clamp	269

TECHNICAL DATA

	technical data	271

CODE INDEX

	code index	279

BOARD TO BOARD CONNECTION

PITCH 1.27x1.27 mm

Note:

PLATING standard version

Gold 0.25 µm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

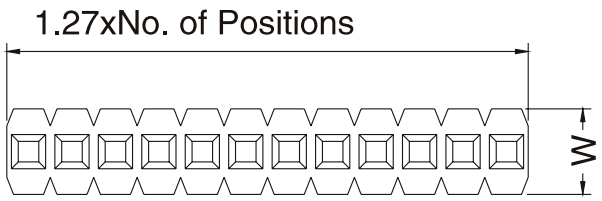
INTERKON

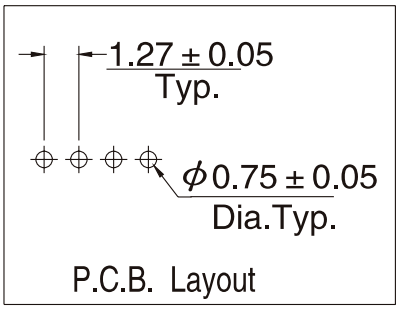
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

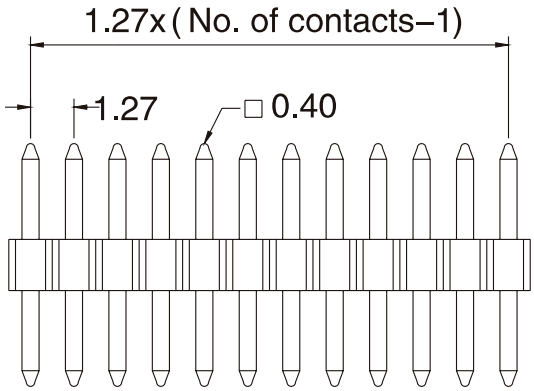
Product Code			
A	B	C	D
471	831x	5xx	2x0

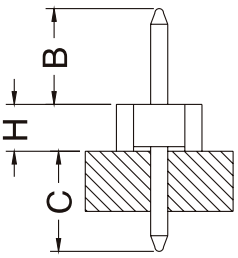
	B	C	H
8316	3.05	2.29	1.5
8317	3.05	2.29	2.5

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 7 Selective gold flash









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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 1.27x1.27 mm

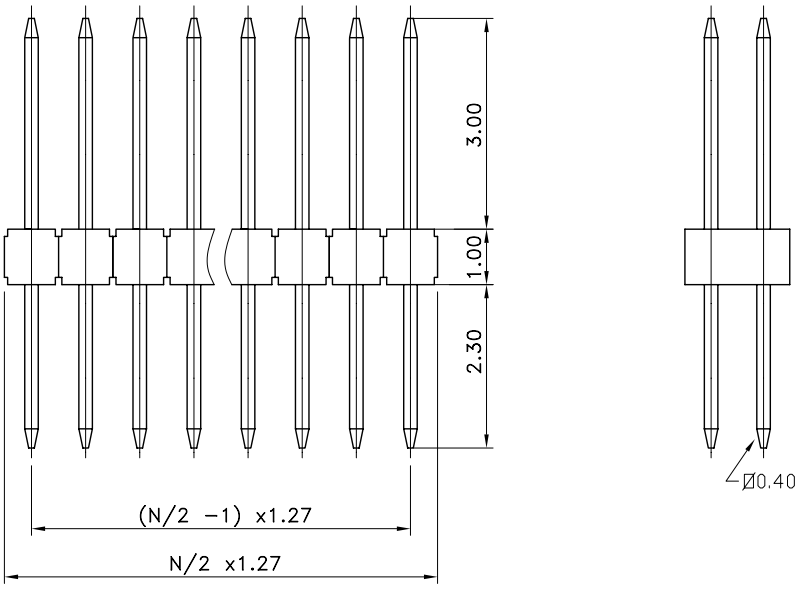
MODUKON

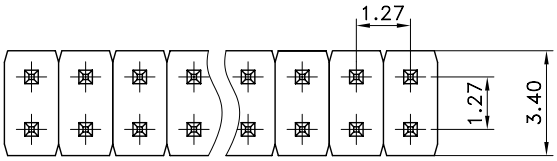
Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

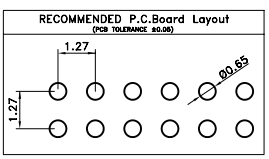
Product Code

A	B	C	D	E
473	9703	5	xx	4x0

D	Number of contacts from 06 to 100 (for 100 sign 00)
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 6 Selective gold flash 7 Selective gold







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MALE HEADER
MALE HEADER RIGHT ANGLE

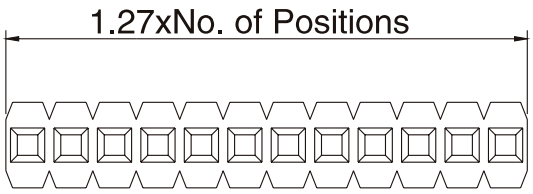
INTERKON

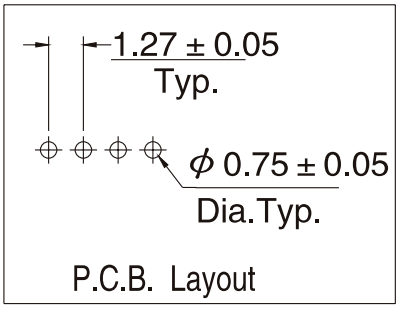
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

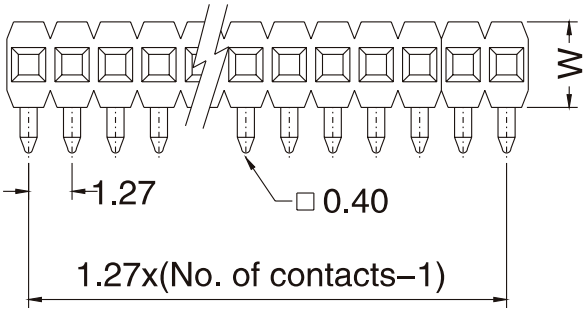
Product Code			
A	B	C	D
472	831x	5xx	2x0x

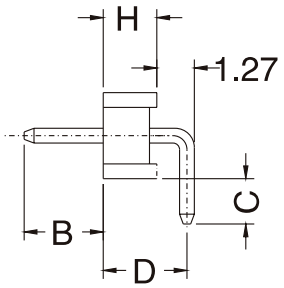
	B	C	D	H
8314	3.05	2.29	1.5	1.5
8315	3.05	2.29	1.5	2.5

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash









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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 1.27x1.27 mm

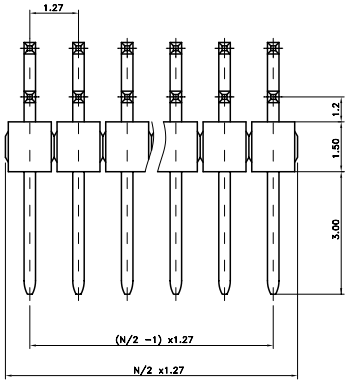
MODUKON

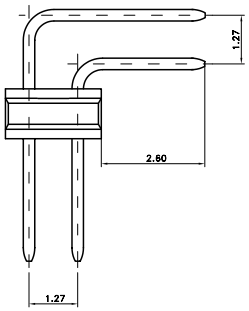
Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

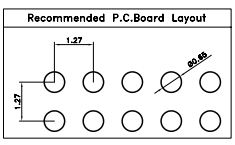
Product Code

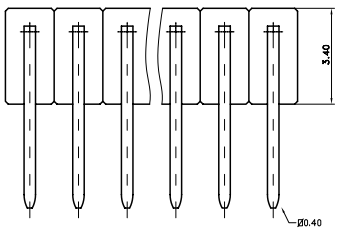
A	B	C	D	E
474	9704	5	xx	4x0

D	Number of contacts from 06 to 100 (for 100 sign 00)
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 7 Selective gold 6 Selective gold flash









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MALE HEADER
MALE HEADER DOUBLE BASE

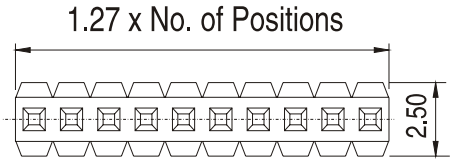
INTERKON

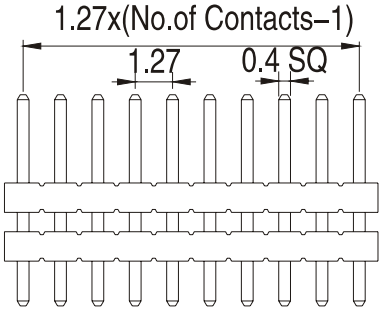
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

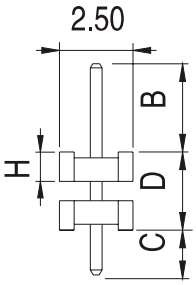
Product Code			
A	B	C	D
380	831x	5xx	2x0

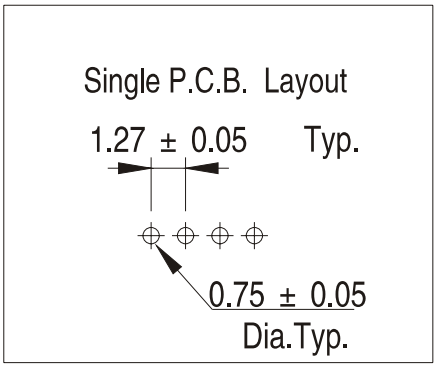
	B	C	D
8318	3.0	2.85	6.0
8319	3.0	2.85	4.0

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash









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MALE HEADER
MALE HEADER DOUBLE BASE 1.27x1.27 mm

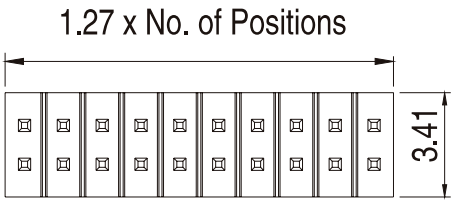
INTERKON

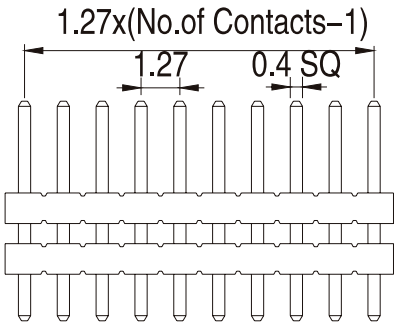
Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

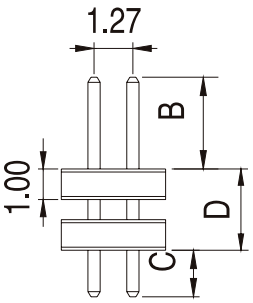
Product Code			
A	B	C	D
380	832x	5xx	2x0

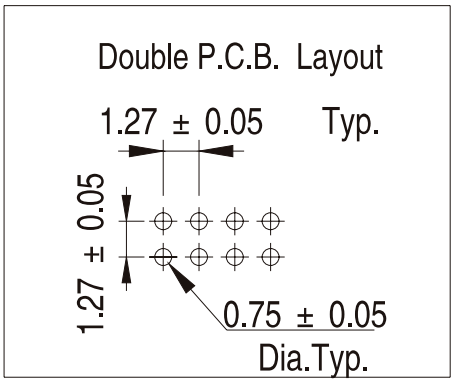
	B	C	D
8327	3.0	2.85	6.0
8328	3.0	2.85	4.0

B	Standard connectors: view table
C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash









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INTERKON SMT

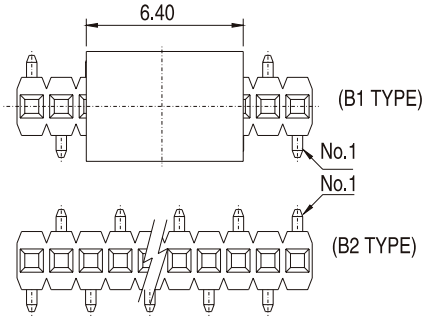
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

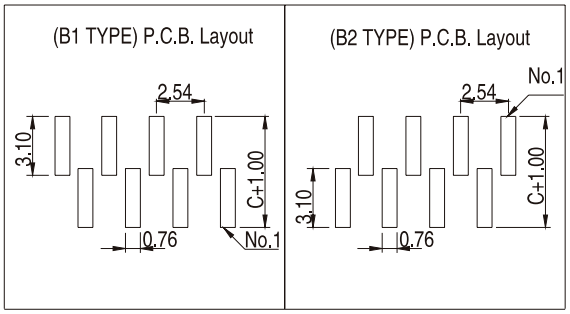
Product Code

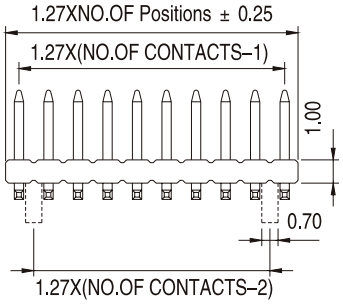
A	B	C	D	E	F
671	832x	5xx	2x	x	- x

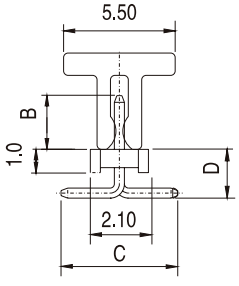
	B	C	D
8320	3.0	5.5	1.7
8321	6.0	6.5	2.7

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the first pin (see below 1 or 2)
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap









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MALE HEADER
MALE HEADER DOUBLE ROW SMT 1.27x1.27 mm

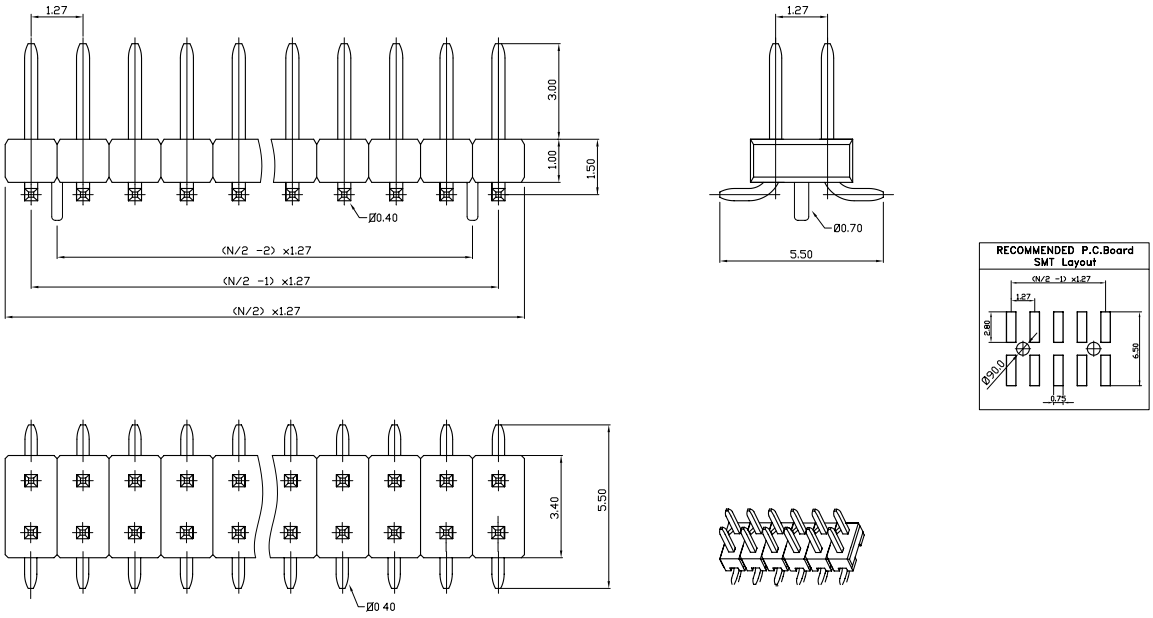
INTERKON SMT

Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F
673	9702	5	xx	4x0	-x

D	Number of contacts from 10 to 100 (for 100 sign 00)
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 6 Selective gold flash 7 Selective gold
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER, RIGHT ANGLE, SMT 1.27x1.27 mm

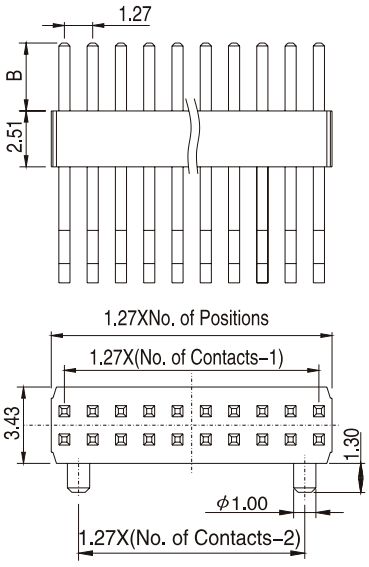
INTERKON SMT

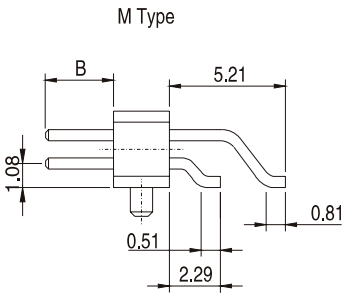
Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

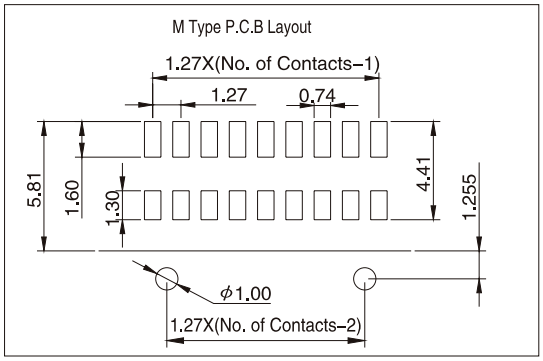
Product Code

A	B	C	D	E	F
673	832x	5xx	2x	x	- x

B	Dimension B 4: B= 3.05mm 5: B= 3.81mm
C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	PLocating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap







"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER DOUBLE BASE SMT

INTERKON SMT

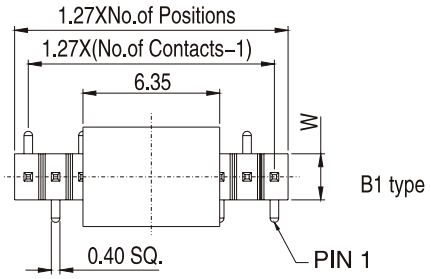
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

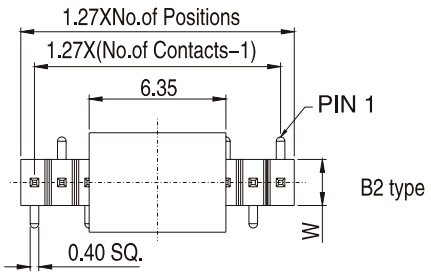
Product Code

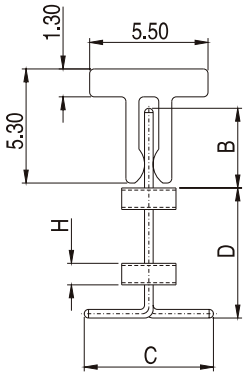
A	B	C	D	E	F
670	832x	5xx	2x	x	- x

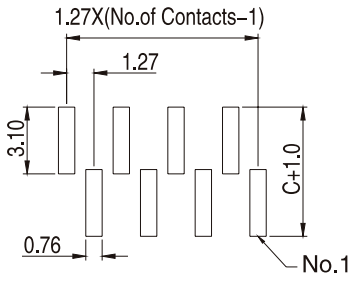
	B	C	D
8322	3.00	5.00	6.35
8323	5.00	5.00	5.00

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the first pin (see below 1 or 2)
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap

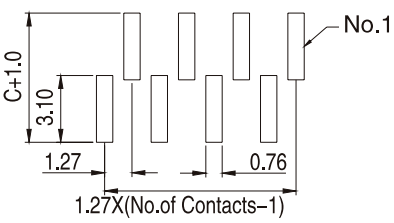








B1 type P.C.B Layout



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER DOUBLE BASE SMT 1.27X1.27 mm

INTERKON SMT

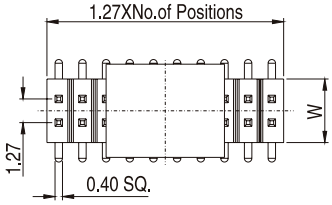
Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

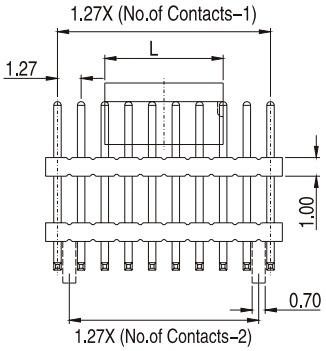
Product Code

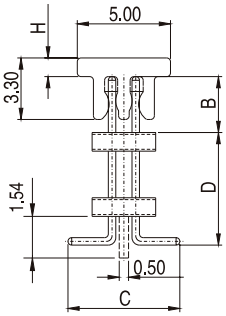
A	B	C	D	E	F
380	8xxx	5xx	2x	x	- x

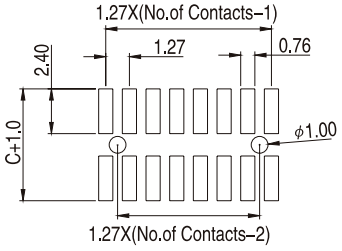
	B	C	D
8329	3.0	5.0	6.0
8330	3.0	5.0	5.0

B	Please see table
C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap







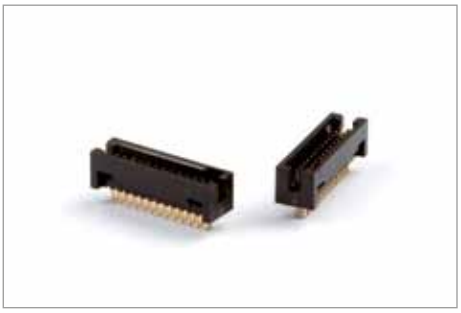


P.C.B Layout

"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER POLARIZED 1.27x1.27 mm

INTERKON

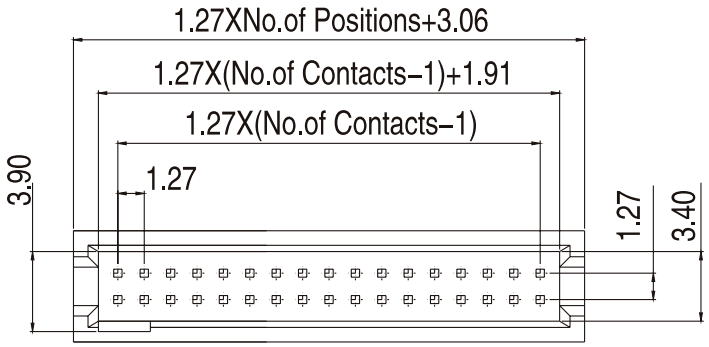


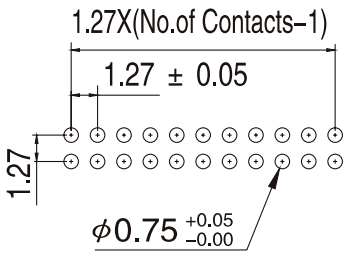
Features	Polarized male header PTH 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube

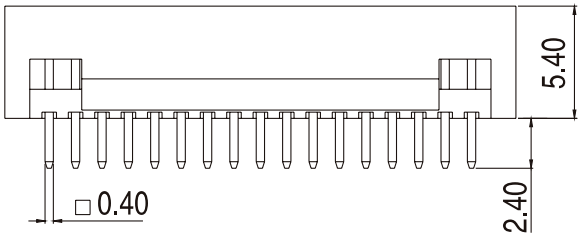
Product Code

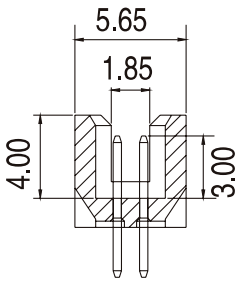
A	B	C	D
473	8254	5xx	2x0

B	Number of contacts from 06 to 100 (for 100 mark 00)
C	Plating 1 Gold flash 4 Tin 7 Selective gold flash









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MALE HEADER
MALE HEADER POLARIZED 1.27x1.27 mm

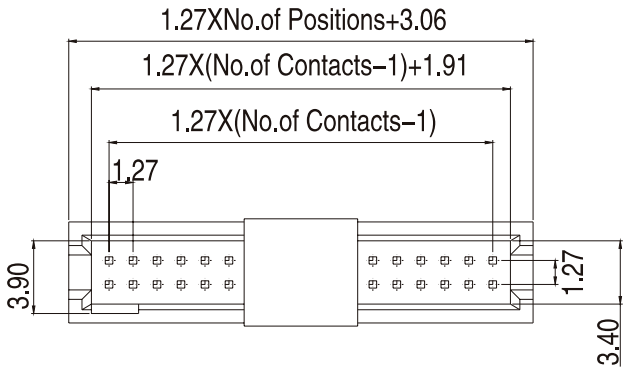
INTERKON SMT

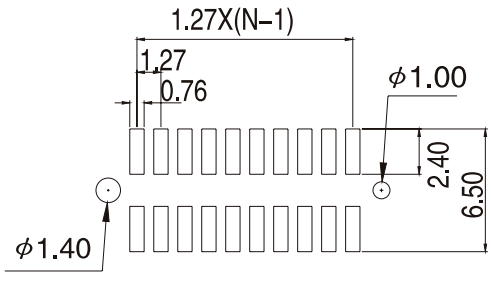
Features	Polarized male header SMT 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

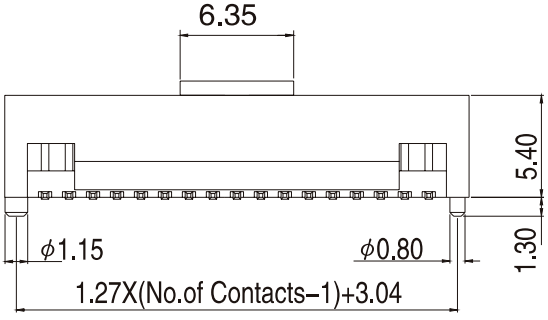
Product Code

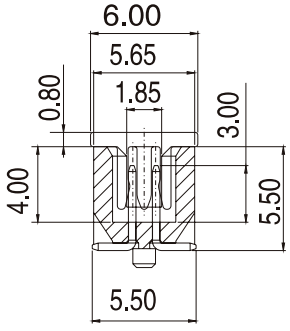
A	B	C	D	E	F
673	8255	5xx	2x	x	- x

C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap





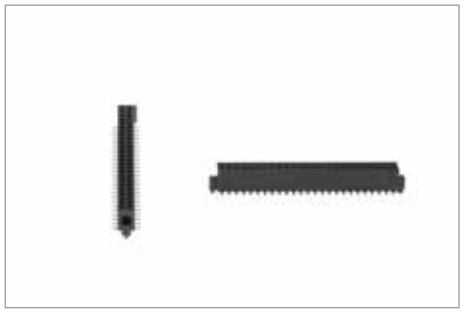




"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR POLARIZED DOUBLE ROW SMT 1.27x1.27 mm

MODUKON SMT

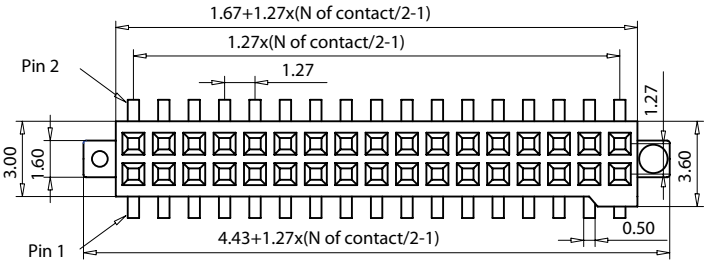


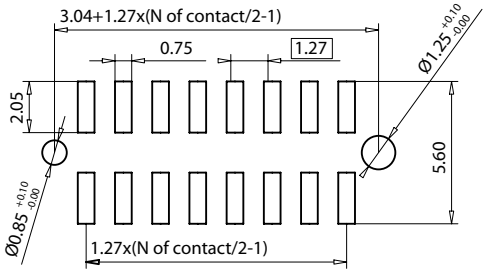
Features	Polarized socket connector 1.27x1.27 mm Body height 4.5 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

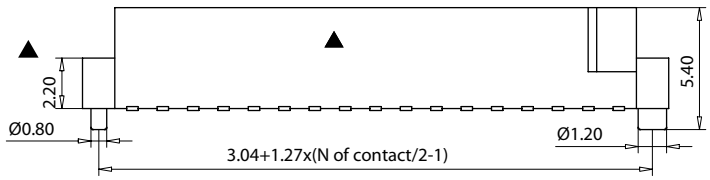
A	B	C	D	E	F
677	8013	5xx	4x	x	- x

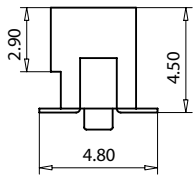
C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap





Recommended PCB Layout
(PCB TOLERANCE ±0.05)

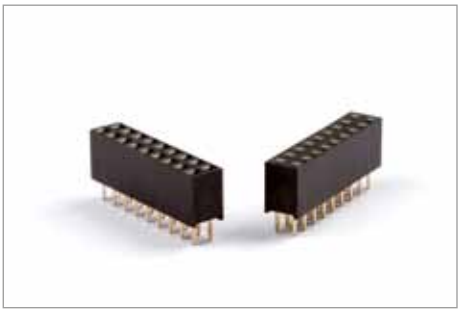




"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT 1.27x1.27 mm

MODUKON

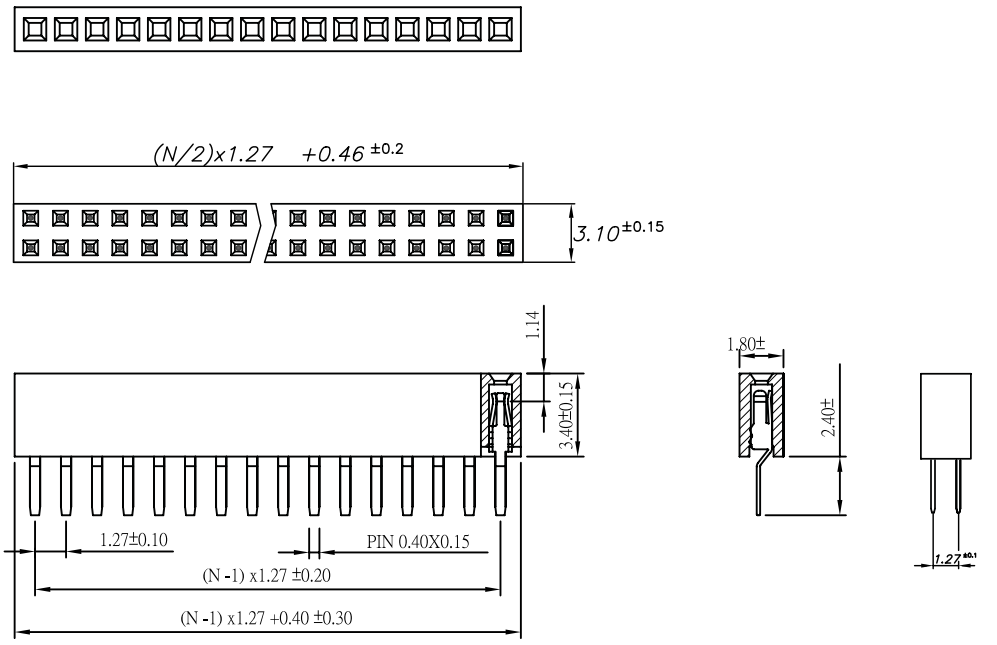


Features	Socket 1.27x1.27 mm Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL94VO Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
477	xxxx	5xx	4x0

B	Number of row 9831 Single row 9705 Double row
C	Number of contacts from 03 to 36 for single row from 06 to 100 for double row
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 6 Selective gold flash



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW

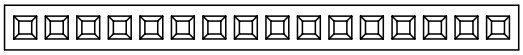
MODUKON

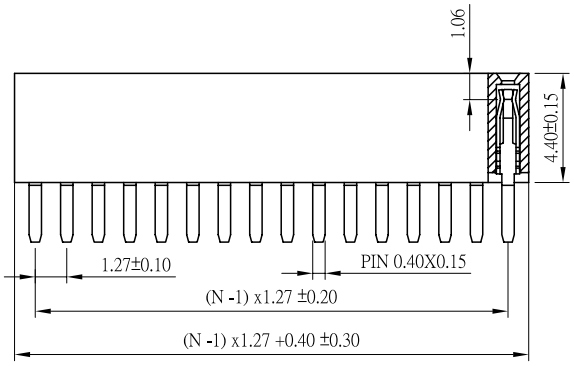
Features	Profile 4.3 mm height
Material	Insulator: Nylon 6T Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

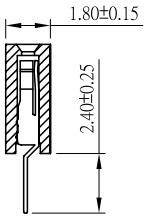
Product Code

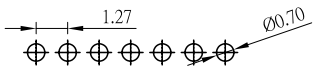
A	B	C	D
477	9832	5xx	4x0

C	Number of contacts from 03 to 36
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 6 Selective gold flash







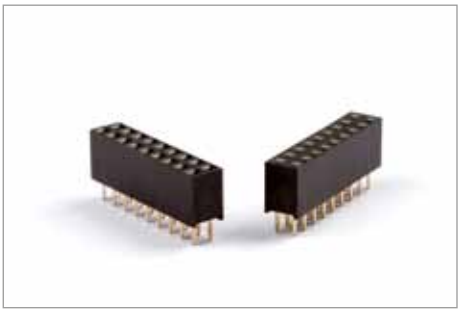


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 1.27x1.27 mm

MODUKON

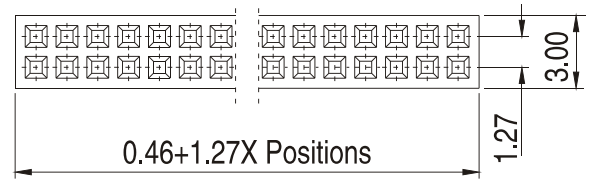


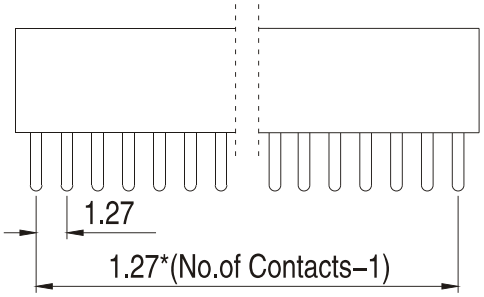
Features	Socket 1.27x1.27 mm Body Height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube

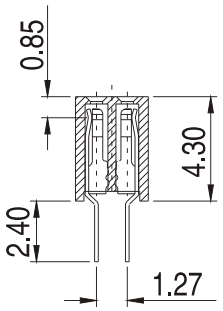
Product Code

A	B	C	D
477	8311	5xx	4x0

C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



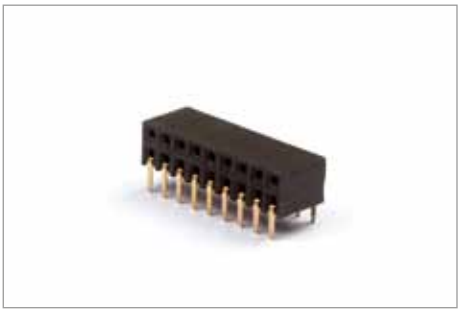




“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW 1.27x1.27 mm

MODUKON

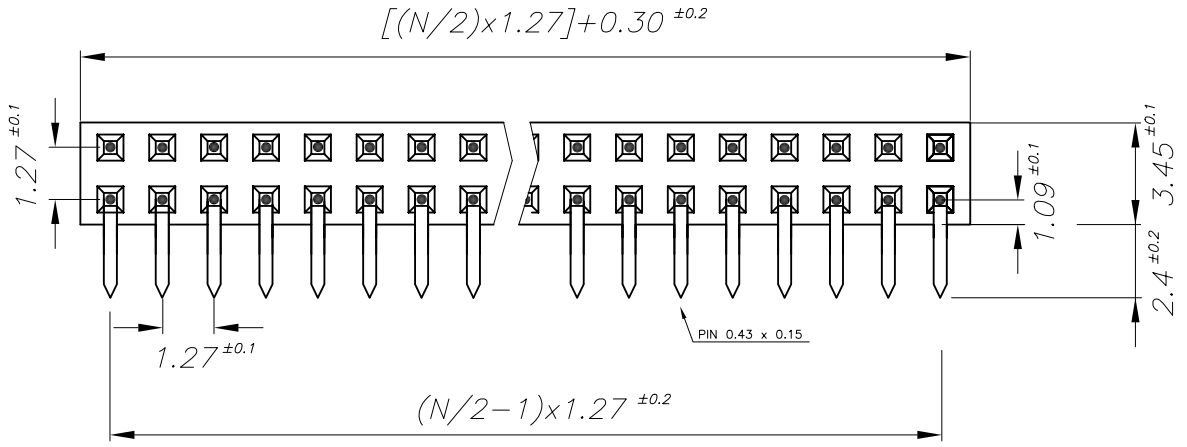


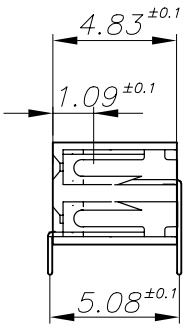
Features	Socket 1.27x1.27 mm Body height 3.45 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

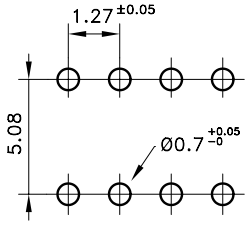
Product Code

A	B	C	D	E
477	9741	5	xx	4x0

D	Number of contacts from 10 to 50
E	Plating 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash



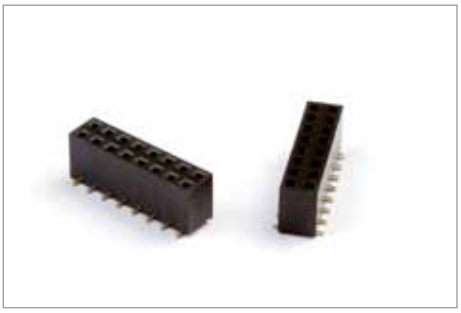




“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 1.27x1.27 mm

MODUKON SMT

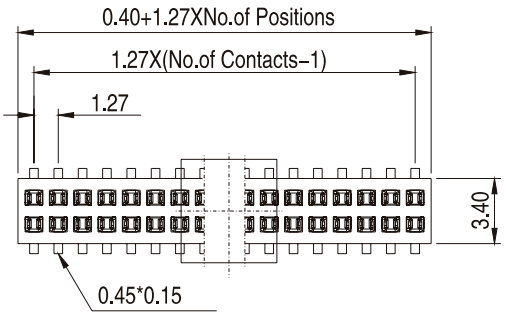


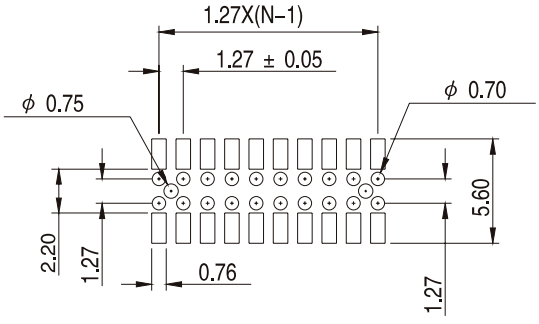
Features	Pass trough socket 1.27x1.27 mm Body height 2.2 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

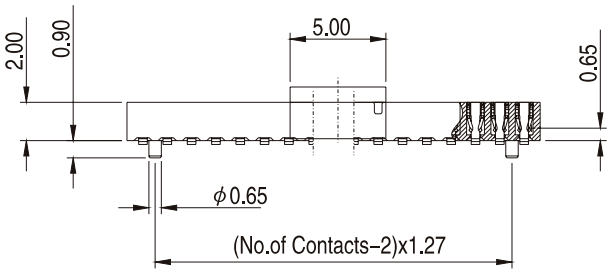
Product Code

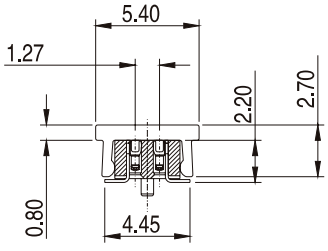
A	B	C	D	E	F
677	8012	5xx	4x	x	- x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap









"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT

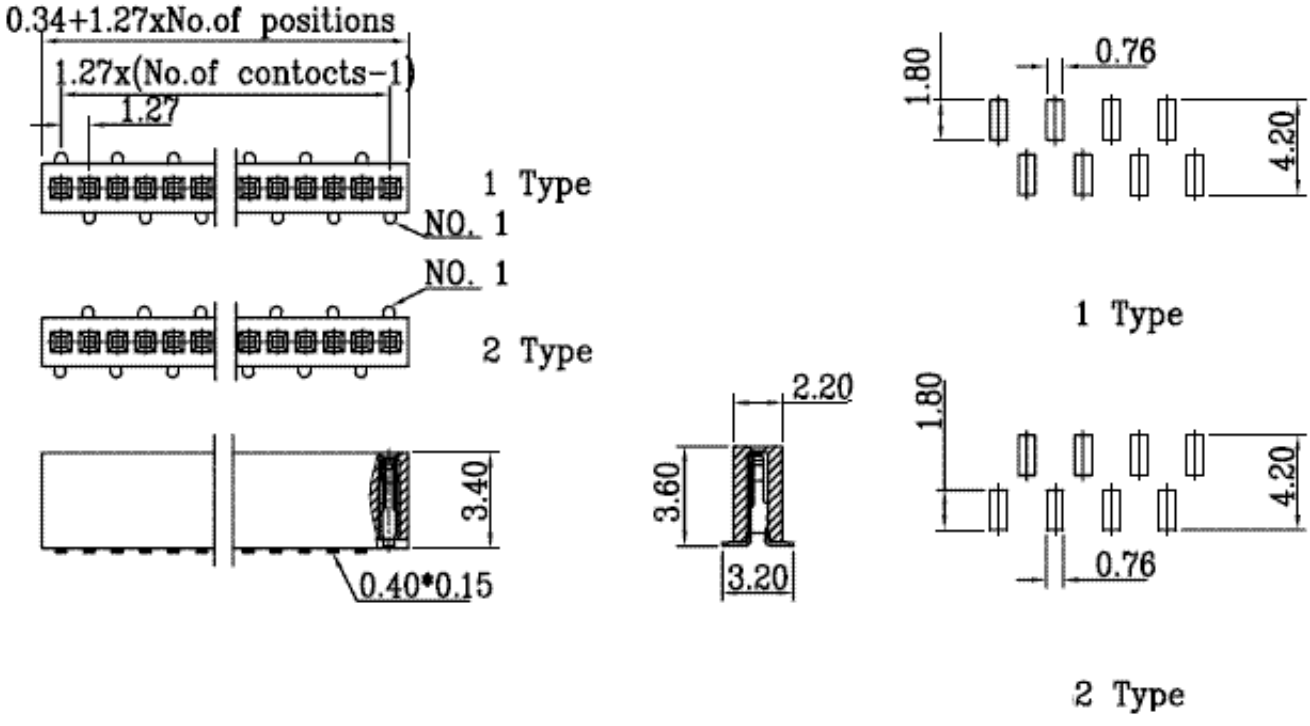
MODUKON SMT

Features	Socket Body height 3.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	E
677	8310	5xx	4x	x	- x

C	Number of contacts from 06 to 36
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the frst pin See below 1 or 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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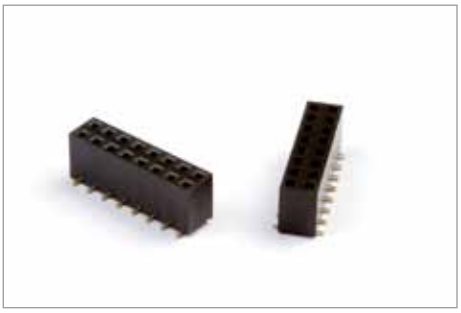
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 1.27x1.27 mm

MODUKON SMT

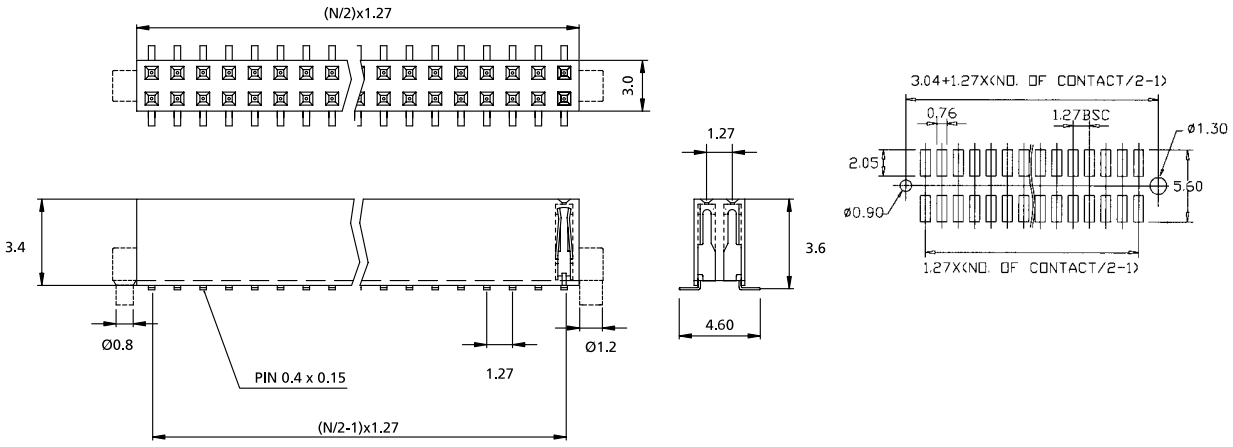


Features	Socket 1.27x1.27 mm Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Carton box, Tube or T&R

Product Code

A	B	C	D	E	F	G
677	9707	5	xx	4x	x	- x

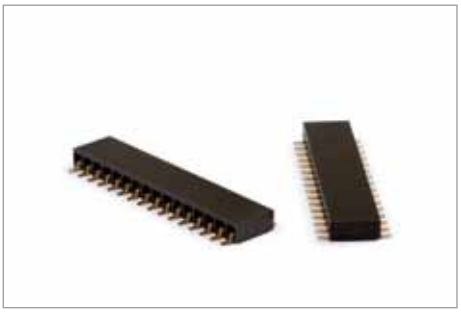
D	Number of contacts from 06 to 100
E	Plating 1 Gold flash 4 Tin 7 Selective gold 6 selective gold flash
F	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW SMT 1.27x1.27 mm

MODUKON SMT

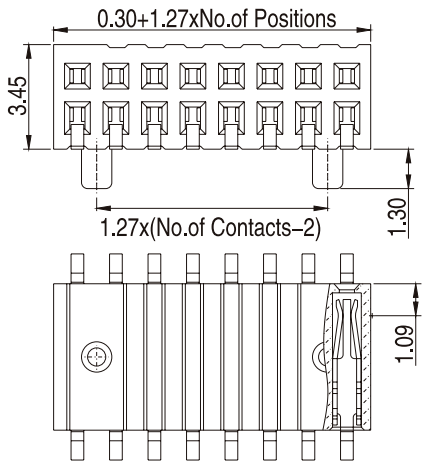


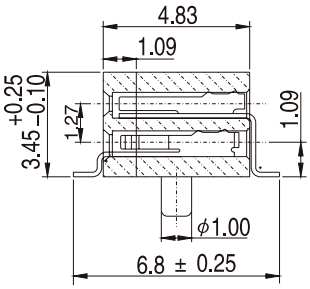
Features	Sockect 1.27x1.27mm Body height 3.45 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

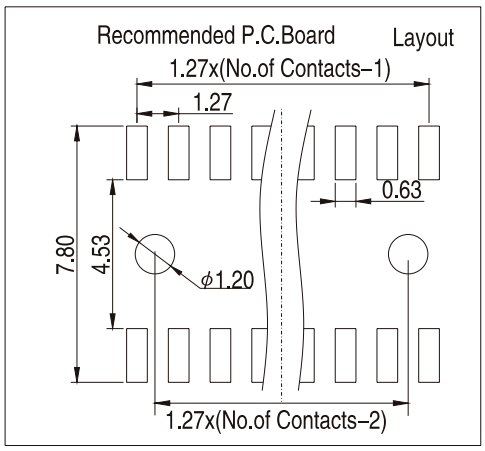
Product Code

A	B	C	D	E	F
677	8279	5xx	4x	x	- x

C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 7 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap







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BOARD TO BOARD CONNECTION
PITCH 2 mm

Note:

PLATING standard version

Gold 0.25 µm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 2 mm

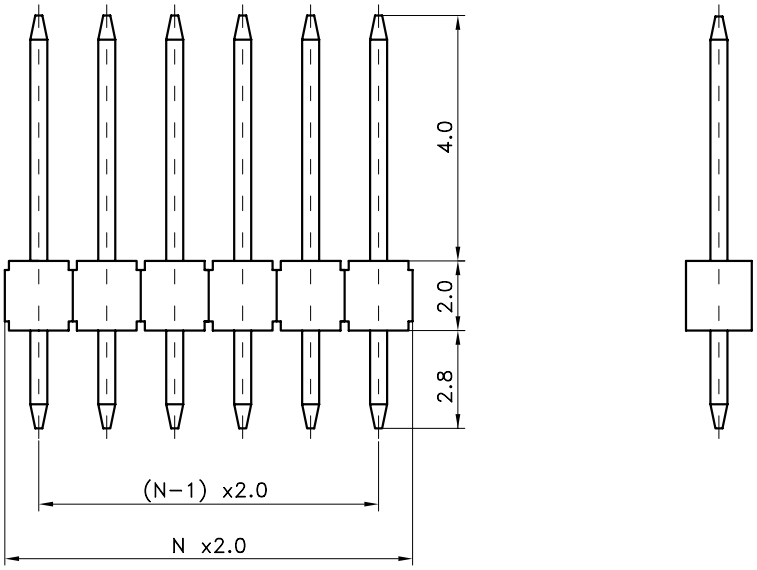
MODUKON

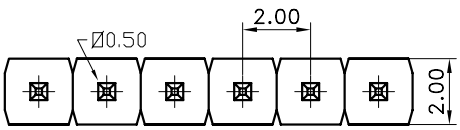
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

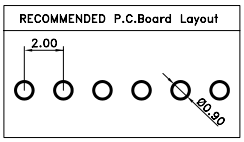
Product Code

A	B	C	D
471	9709	6xx	4x0

C	Number of contacts from 02 to 40
D	Plating 1 Gold flash 0 Gold 0.25 µm 4 Tin 7 Selective gold 6 Selective gold flash







"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2 mm

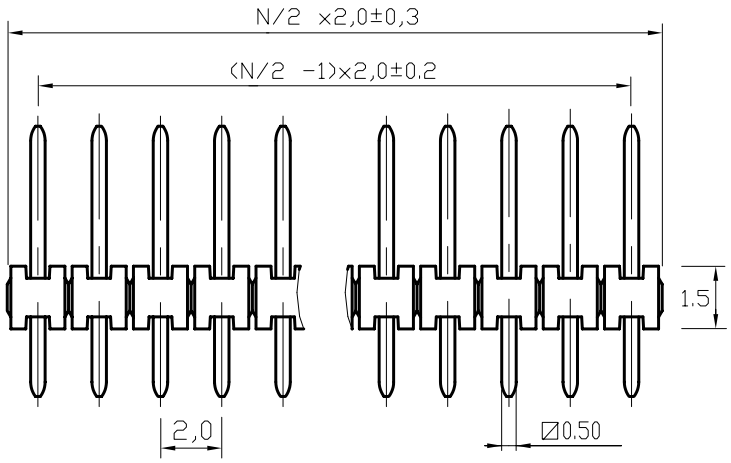
INTERKON

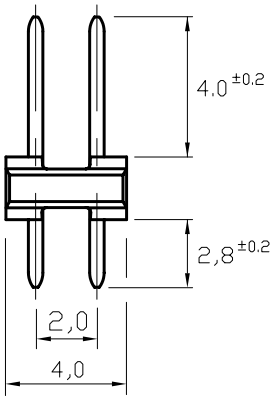
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

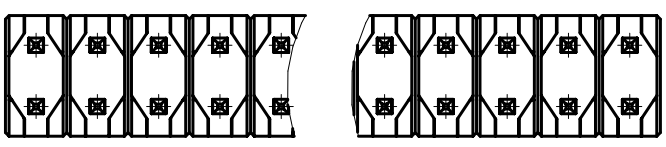
Product Code

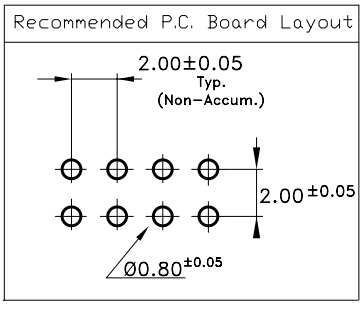
A	B	C	D	E
473	9711	6	xx	4x0

D	Number of contacts from 04 to 80
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 7 Selective gold 6 Selective gold flash









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MALE HEADER
MALE HEADER RIGHT ANGLE 2 mm

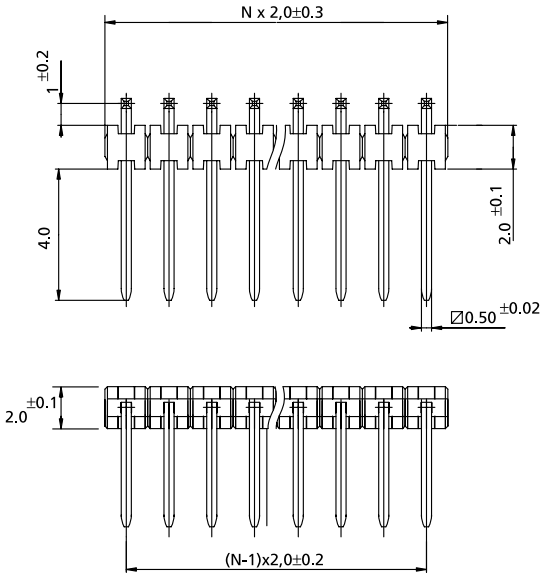
INTERKON

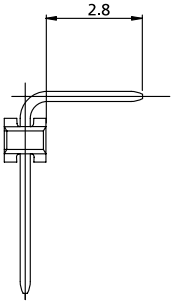
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Brass
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

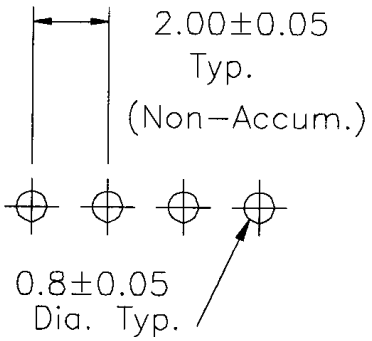
Product Code

A	B	C	D	E
472	9708	6	xx	4x0

D	Number of contacts from 02 to 40
E	Plating 1 Gold flash 4 Tin 6 Selective gold flash







"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2 mm

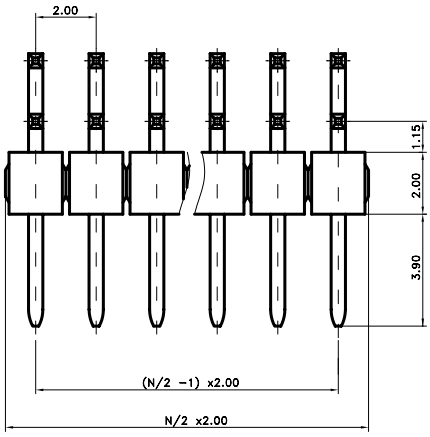
INTERKON

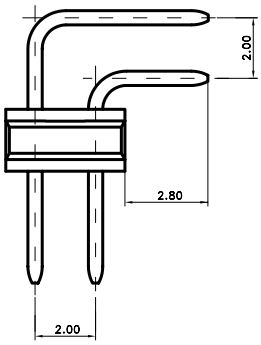
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

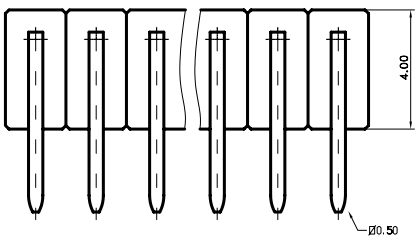
Product Code

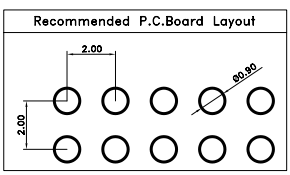
A	B	C	D	E
474	9710	6	xx	4x0

D	Number of contacts from 04 to 80
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 7 Selective gold 6 Selective gold flash









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MALE HEADER
MALE HEADER DOUBLE BASE 2 mm

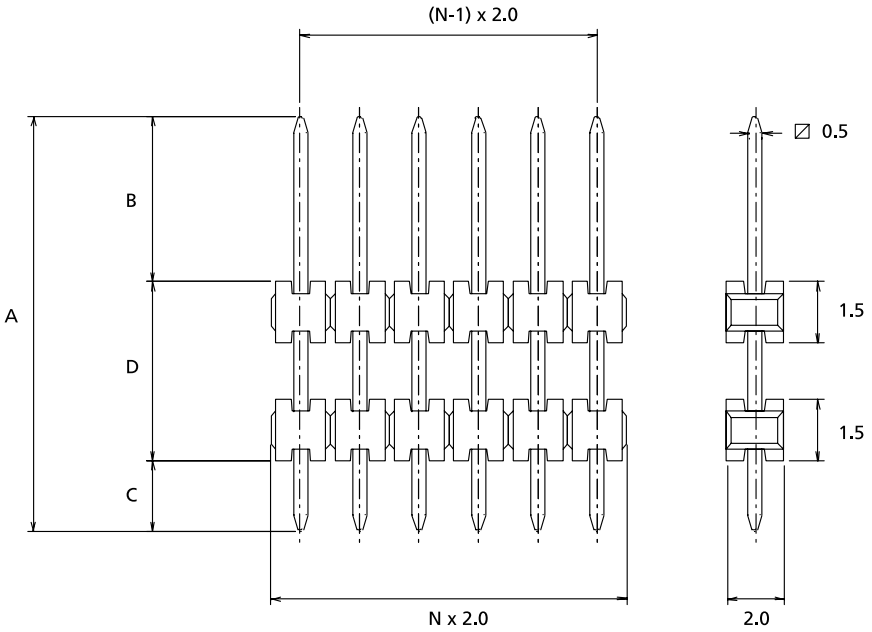
INTERKON

Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
380	98xx	6xx	4x0

B	See table
D	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash

	A	B	C	D
9813	10.50	4.90	2.30	3.30
9814	14.50	2.50	4.00	8.00
9815	16.85	2.40	2.45	12.00
9816	20.50	4.00	2.50	14.00



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER DOUBLE BASE 2 mm

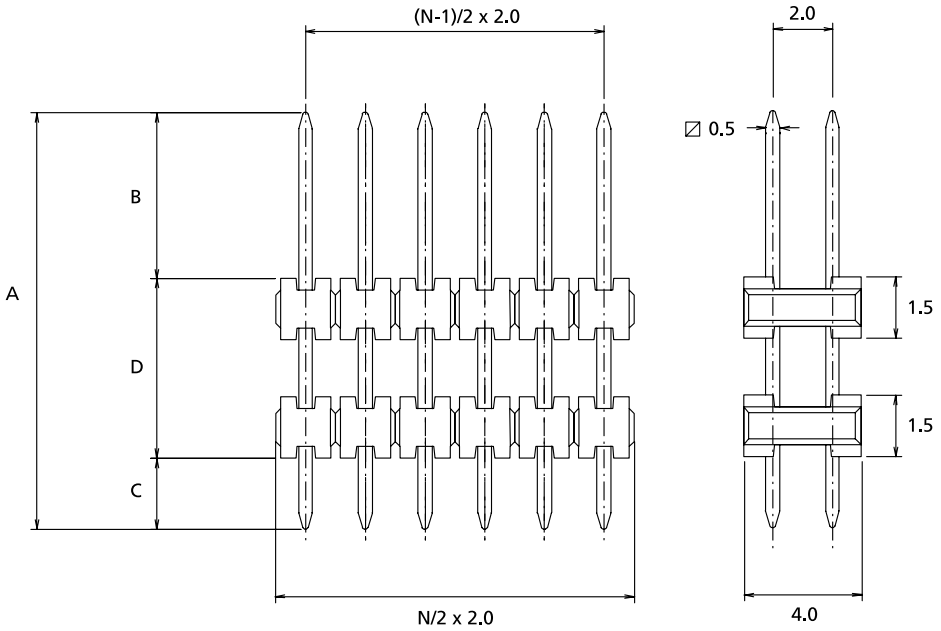
INTERKON

Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
380	9xxx	6xx	4x0

	A	B	C	D
9817	10.50	4.90	2.30	3.30
9818	14.50	2.50	4.00	8.00
9819	16.85	2.40	2.45	12.00
9820	20.50	4.00	2.50	14.00

B	See table
C	Number of contacts from 04 to 80
D	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold



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MALE HEADER
MALE HEADER STRAIGHT SMT 2 mm

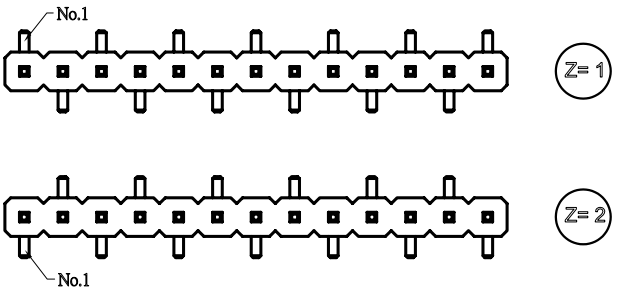
INTERKON SMT

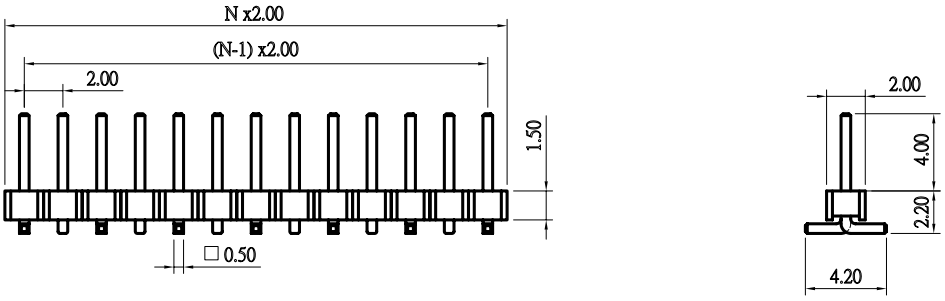
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F	G
671	9806	6	xx	4x	x	-x

D	Number of contacts from 02 to 40
E	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash
F	Locating peg and position of the first pin (see drawing below)
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap





"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER DOUBLE ROW SMT 2 mm

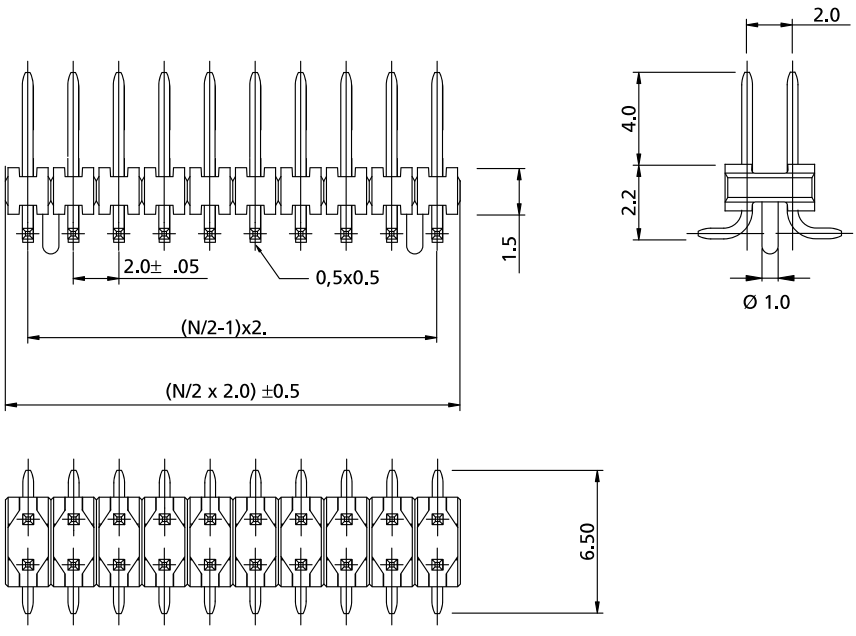
INTERKON SMT

Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F	G
673	9769	6	xx	4x	x	-x

D	Number of contacts from 06 to 50
E	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash
F	Locating peg 0 without 1 with
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2 mm

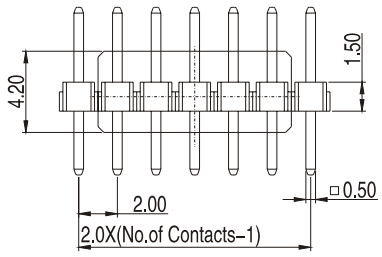
INTERKON SMT

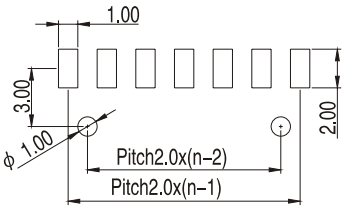
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

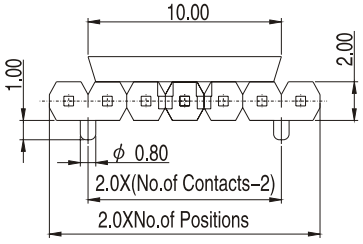
A	B	C	D	E	F
671	8280	6xx	2x	x	-x

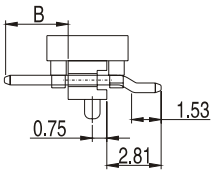
B	B= 4.45 mm
C	Number of contacts from 04 to 36
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap





P.C.B. Layout





"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2 mm

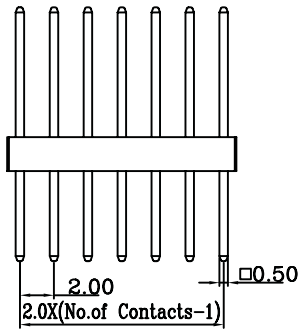
INTERKON SMT

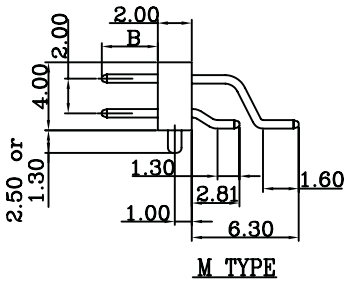
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

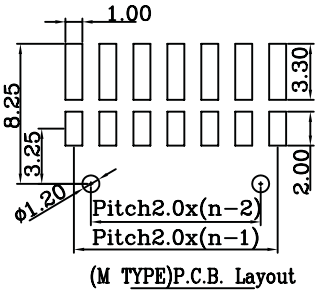
Product Code

A	B	C	D	E	F
673	8334	6xx	2x	x	-x

B	B = 4 mm
C	Number of contacts from 06 to 72
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap







"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER DOUBLE BASE SMT 2 mm

INTERKON SMT

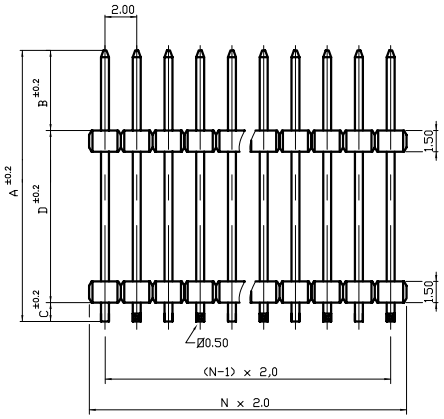
Features	Dual insulated headers, single row pitch 2.0 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

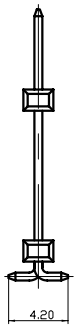
Product Code

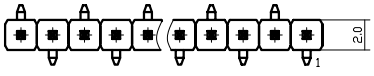
A	B	C	D	E	F
670	982x	6xx	4x	x	-x

	A	B	C	D
9822	8.6	4.0	0.7	3.9
9823	10.0	3.9	0.7	5.4
9824	11.8	3.4	0.7	7.7

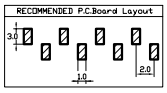
B	See table
C	Number of contact from 02 to 40
D	Plating 0 Gold 1 Gold flash 4 Tin
E	Position of the first pin
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap

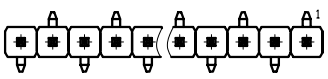






Z= 1
67098ww6XX4Y1





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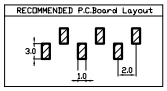


“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER DOUBLE BASE SMT 2 mm

INTERKON SMT

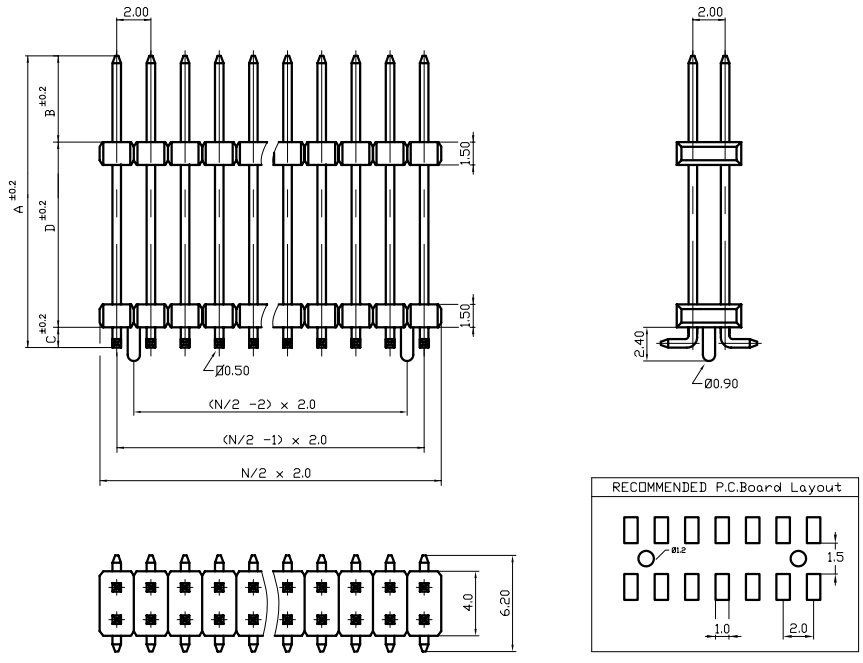
Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F	G
670	98xx	6	xx	4x	x	-x

	A	B	C	D
9825	8.6	4.0	0.7	3.9
9826	10.0	3.9	0.7	5.4
9827	11.8	3.4	0.7	7.7

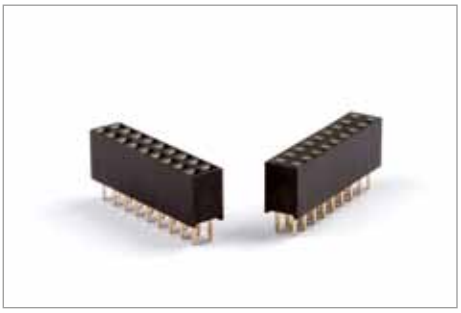
B	See table
D	Number of contact from 04 to 80
E	Plating 0 Gold 1 Gold flash 4 Tin 6 Selective gold flash
F	Locating peg 0 without 1 with
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

MODUKON

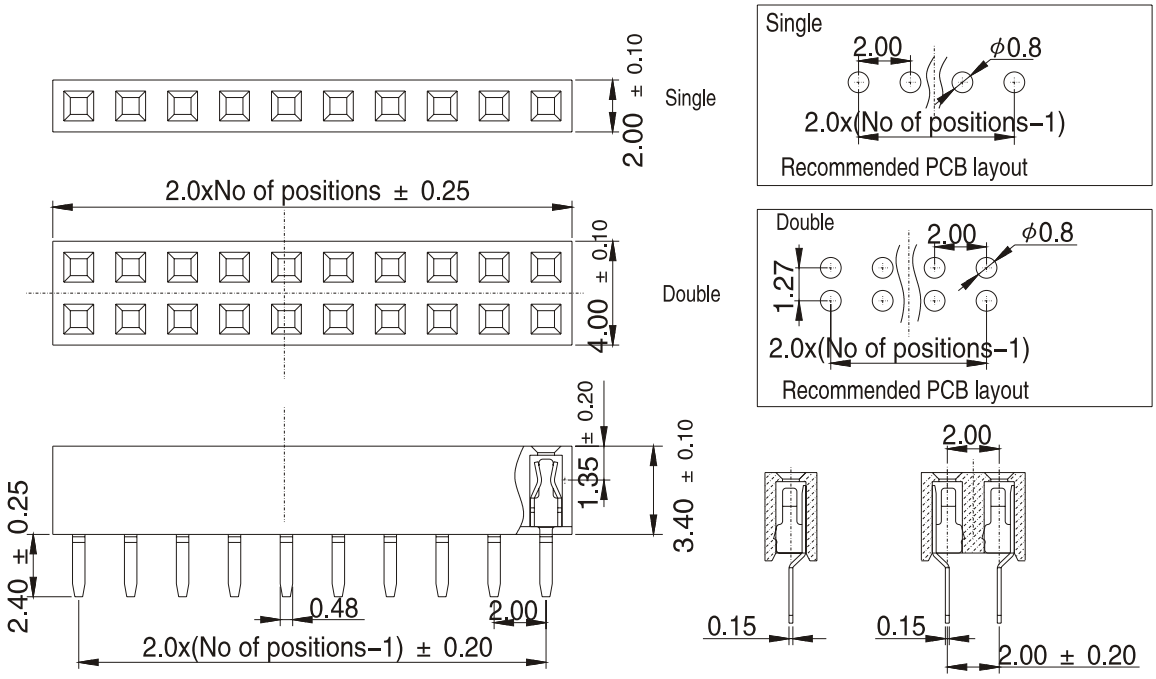


Features	Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
477	828x	6xx	4x0

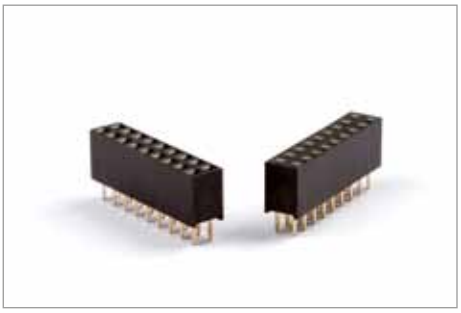
B	Number of row 6: Single row 7: Double row
C	Number of crontacts: Single row from 03 to 40 Double row from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

MODUKON

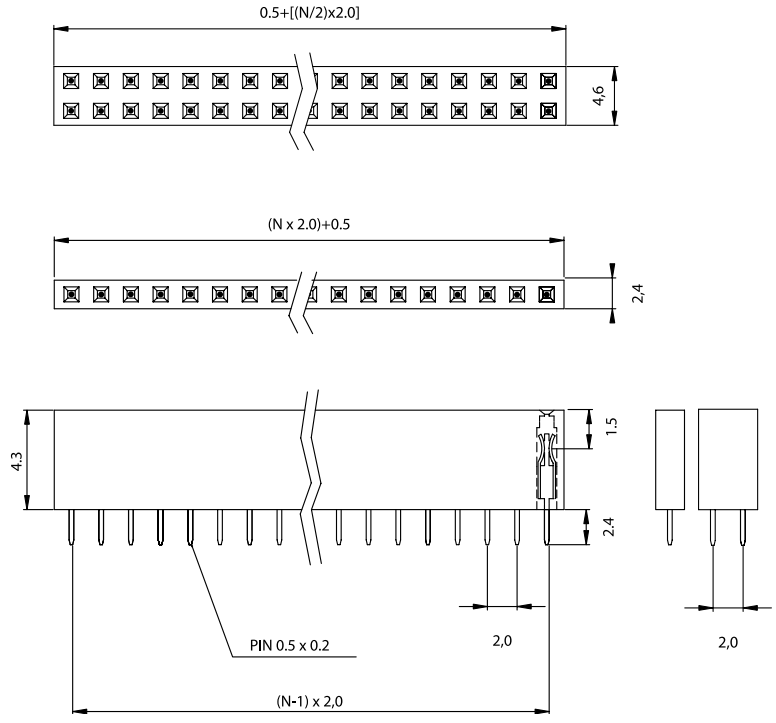


Features	Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E
477	973x	6	xx	4x0

B	Number of row 3 Single Row 2 Double row
C	Number of contacts from 04 to 40 single row from 06 to 80 double row
D	Plating 1 Gold flash 4 Tin 7 Selective gold 0 Gold 0.25 µm 6 Selective gold flash



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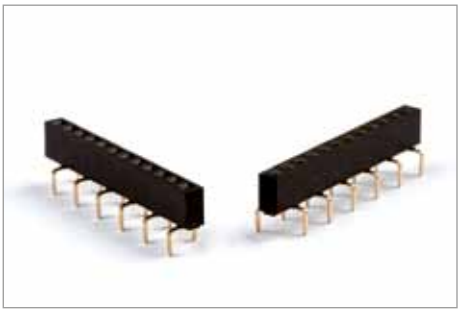
SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 2 mm

MODUKON

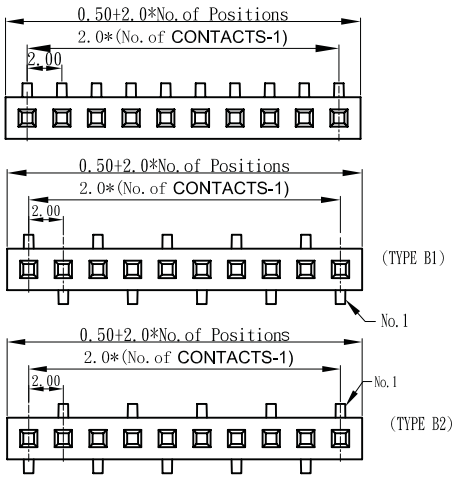


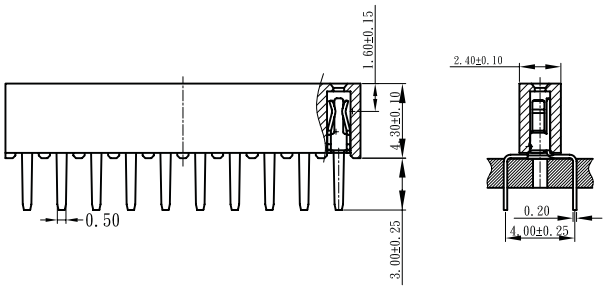
Features	Dual entry socket Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

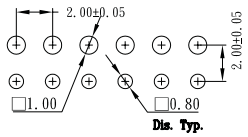
A	B	C	D	E
477	8294	6xx	4x	x

C	Number of contacts from 03 to 40
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the frst pin See below 1 or 2 0: same side pins

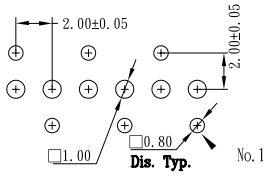




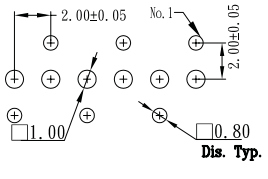
(One side)P.B.C. Layout



(TYPE B1)P.B.C. Layout



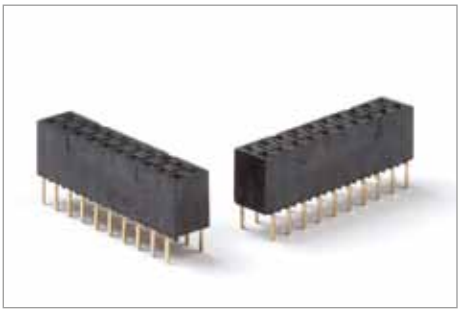
(TYPE B2) P.B.C. Layout



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2 mm

MODUKON

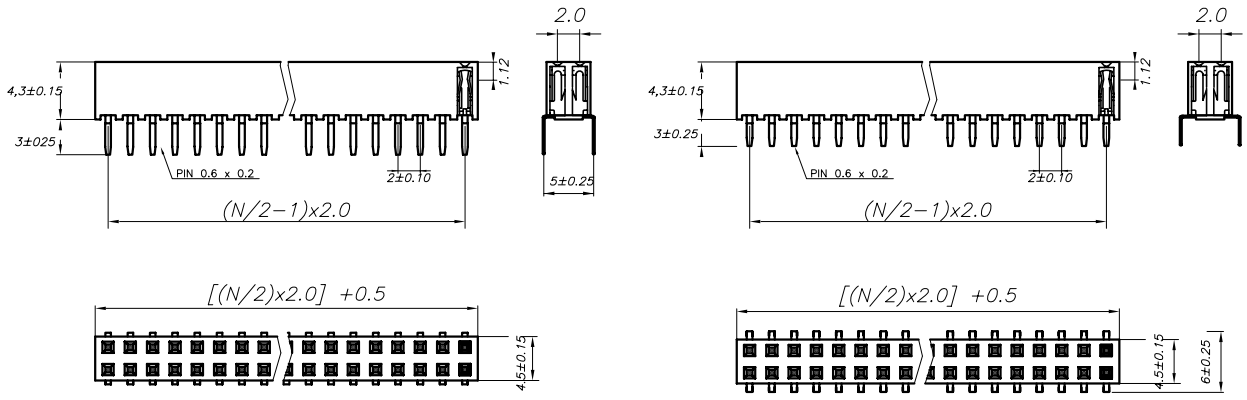


Features	Dual entry socket Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E
477	9736	6xx	4x	x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 7 Selective gold 0 Gold 0.25 µm 6 Selective gold flash
E	Distance between rows 1 5.0 mm 2 6.0 mm



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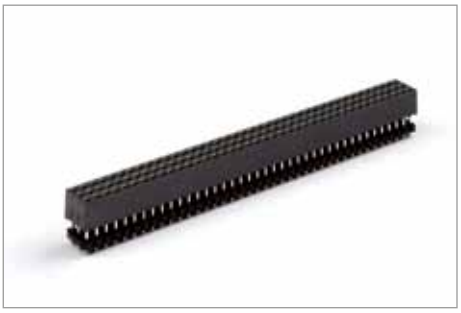
SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

MODUKON



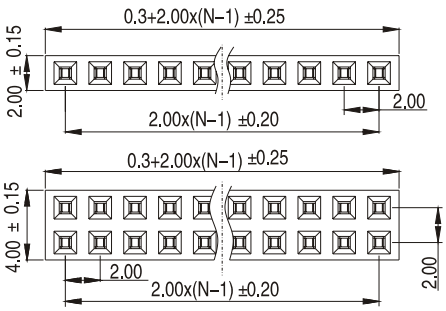
Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

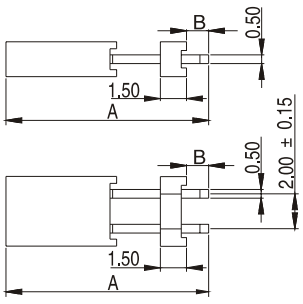
Product Code

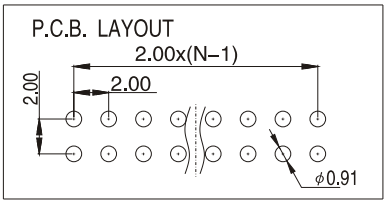
A	B	C	D	E
477	829x	6xx	4x	x

	A	B
1	9.35	1.27
2	11.63	1.27
3	12.34	1.27
4	21.59	1.27

B	Number of row: 5: Single row 6: Double row
C	From 04 to 80 contact per row
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Standard dimension, please refer to the table



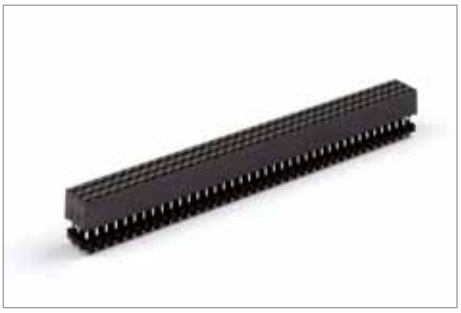




"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

MODUKON



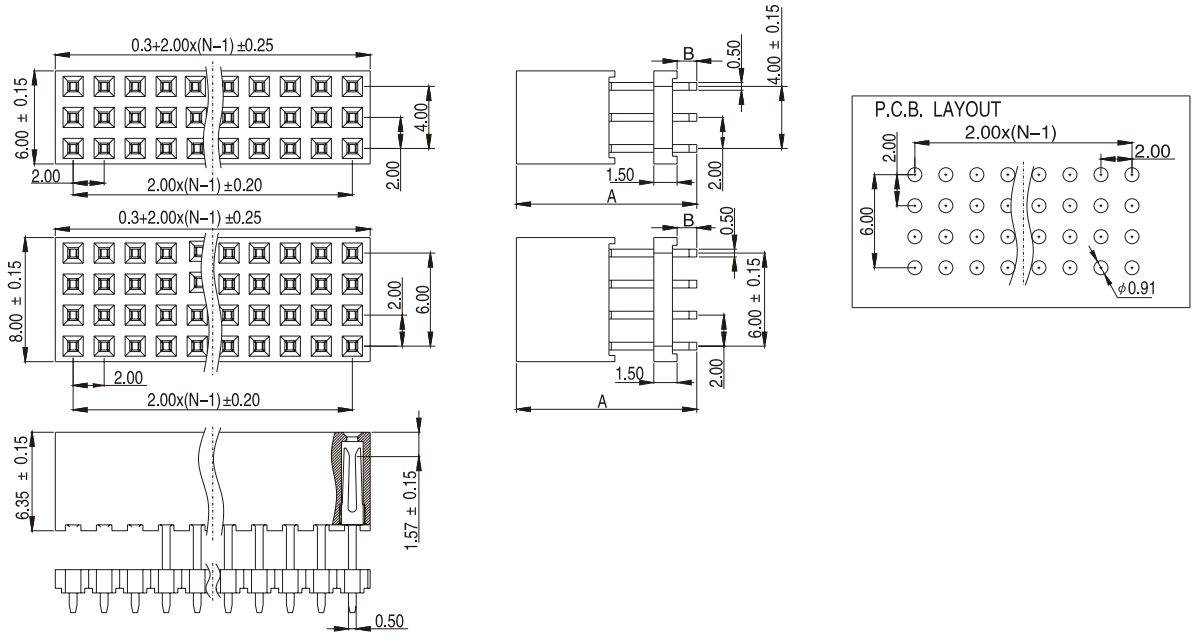
Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E	F
477	8297	x	xx	4x	x

	A	B
1	9.35	1.27
2	11.63	1.27
3	12.34	1.27
4	21.59	1.27

C	Number of Row C: Triple row D: Four row
D	Number of contact per row From 02 to 40 contact per row
E	Plating 1 Gold flash 4 Tin 6 Selective gold flash
F	Standard dimension, please refer to the table



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

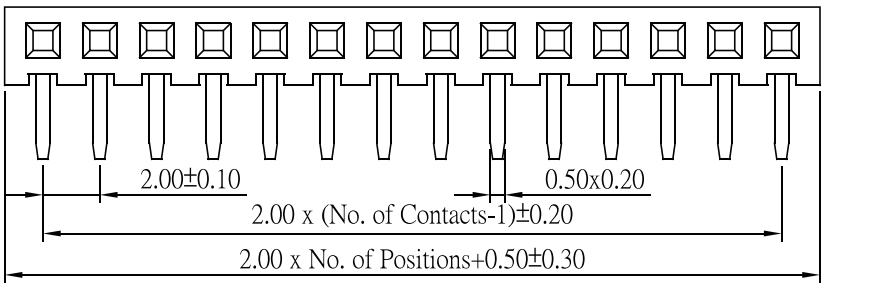
MODUKON

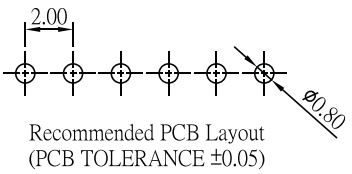
Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

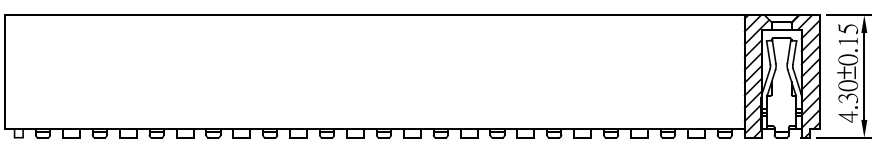
Product Code

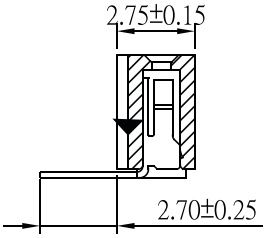
A	B	C	D	E
477	9773	6xx	4x	x

C	Number of contacts from 04 to 40
D	Plating 1 Gold flash 4 Tin 7 Selective gold





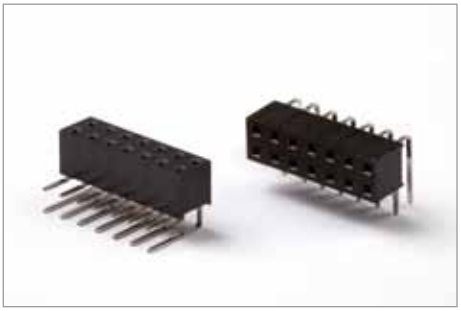




"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW 2 mm

MODUKON

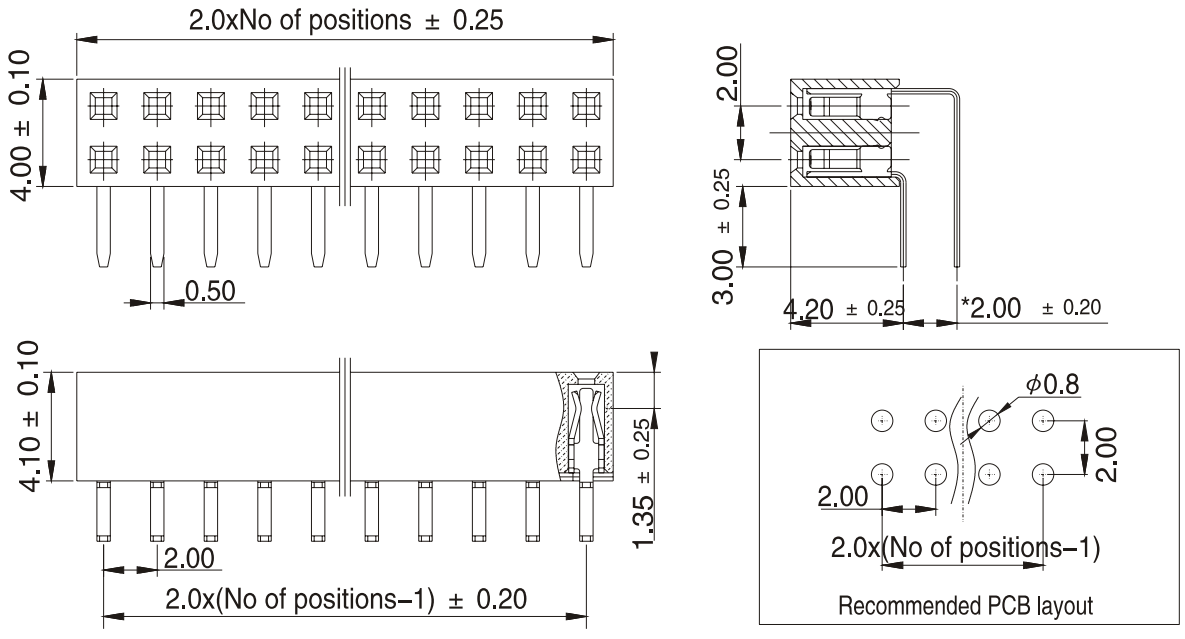


Features	Body height 4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
477	8288	6xx	4x0

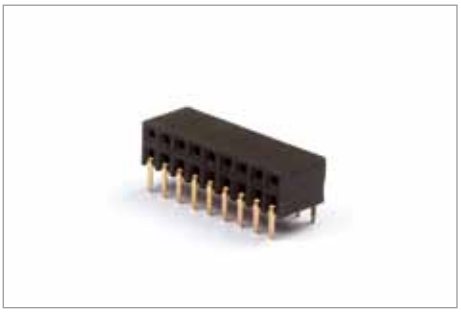
C	Number of contacts from 04 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR RIGHT ANGLE SINGLE ROW 2 mm

MODUKON

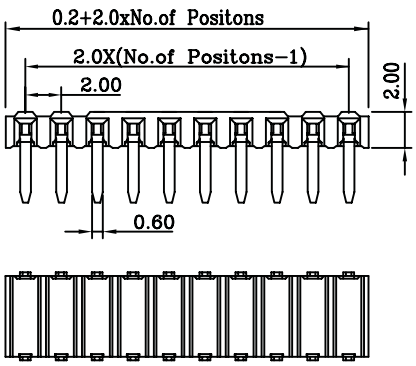


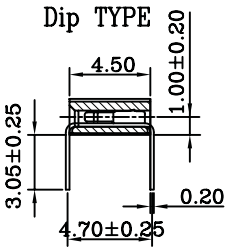
Features	Body height 2 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

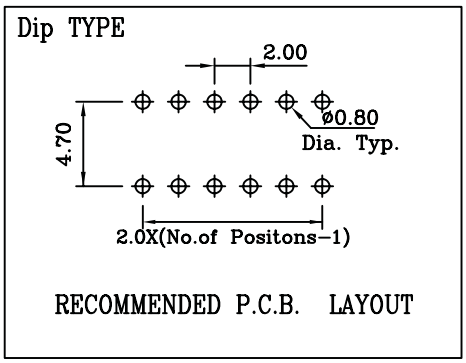
Product Code

A	B	C	D
477	8302	6xx	4x0

C	Number of contacts from 02 to 30
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



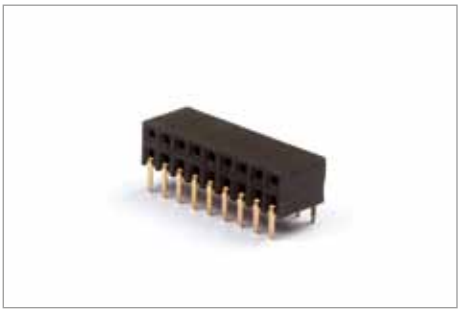




"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW 2 mm

MODUKON

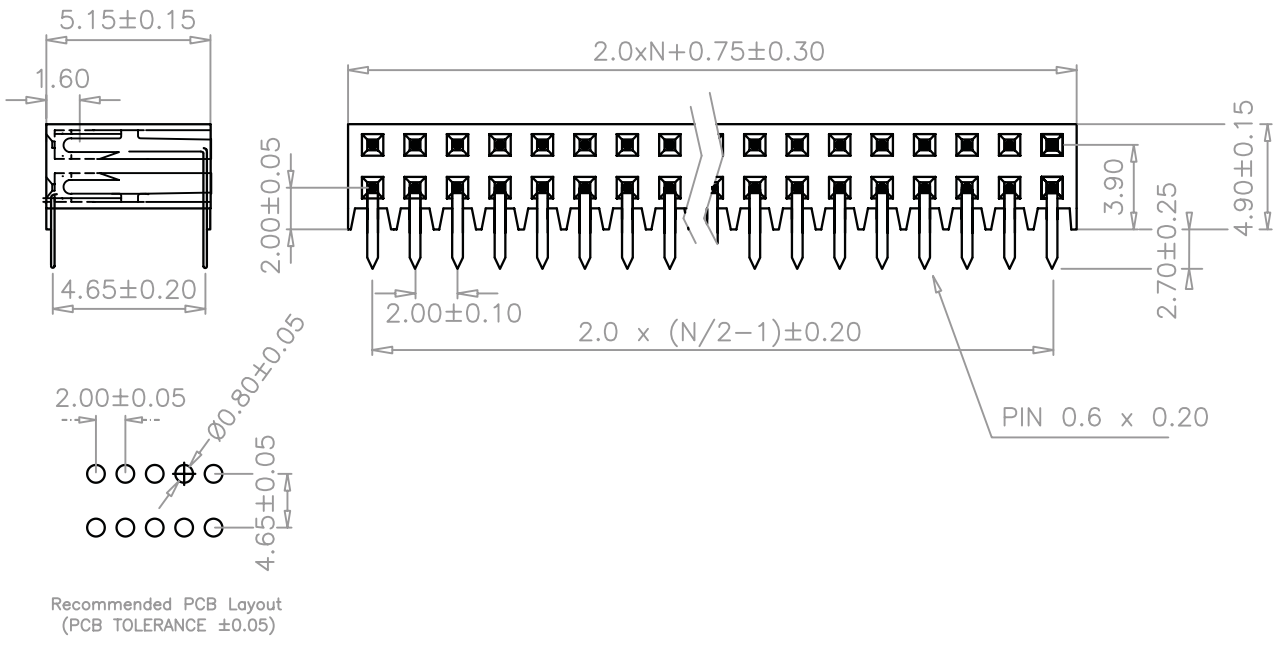


Features	Body height 4.9 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E
477	9742	6	xx	4x0

D	Number of contacts from 06 to 50
E	Plating 1 Gold flash 4 Tin 7 Selective gold plating 0 Gold 0.25 µm



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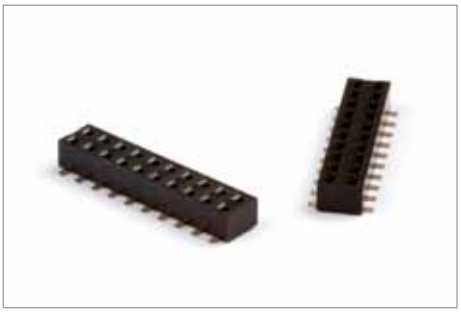
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

MODUKON SMT

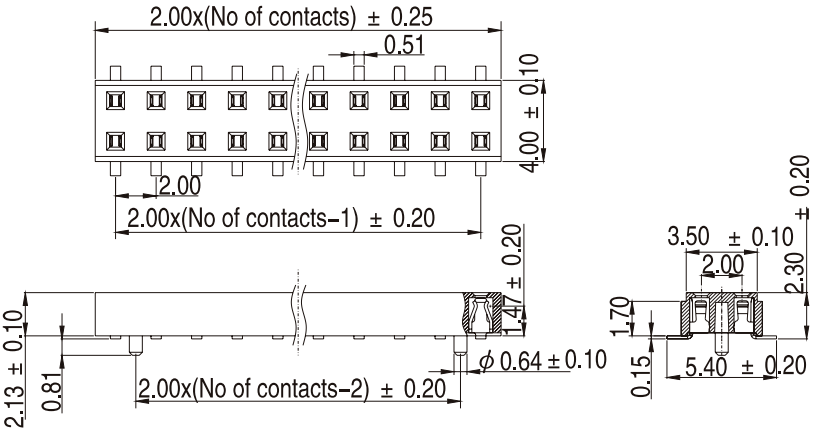


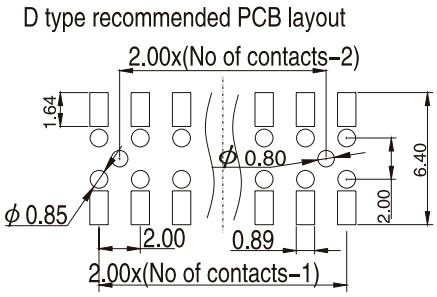
Features	Dual entry socket Body height 2.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E	F
677	8304	6xx	4x	x	-x

C	Number of contacts from 04 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap





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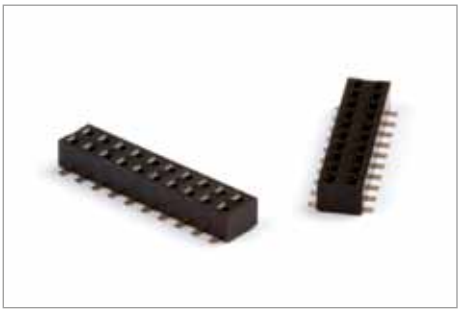
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

MODUKON SMT

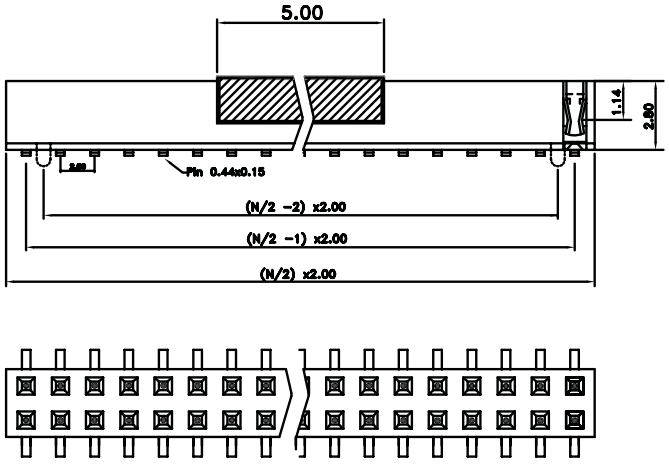


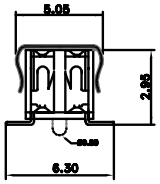
Features	Dual entry socket Body height 2.8 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

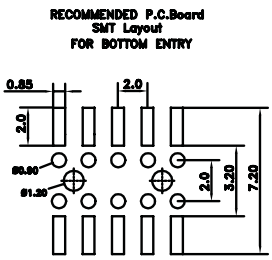
Product Code

A	B	C	D	E	F	G
677	9784	6	xx	4x	x	-x

D	Number of contacts from 10 to 60
E	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold
F	Locating peg 0 without 1 with
G	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap







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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2 mm

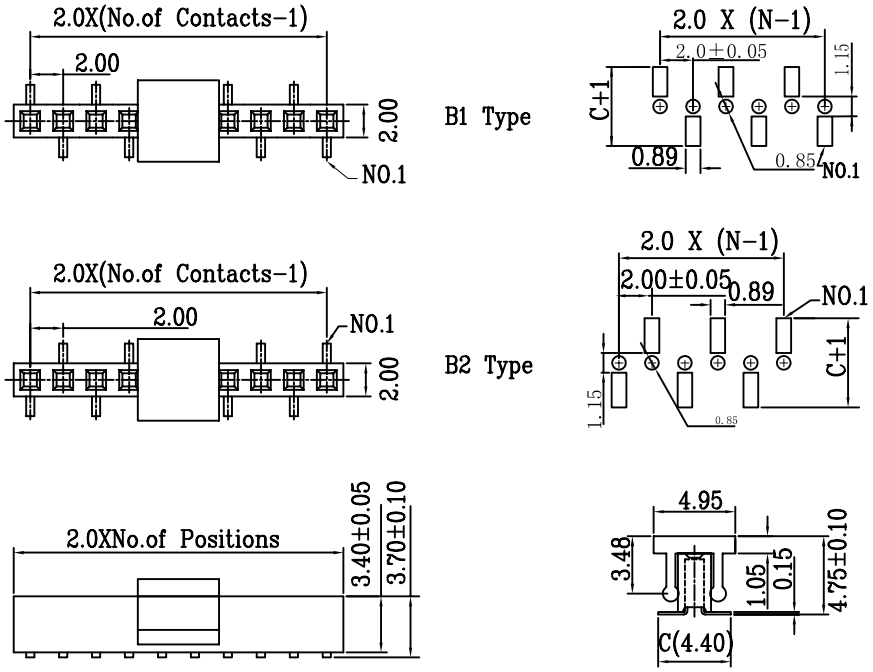
MODUKON SMT

Features	Dual entry socket Body height 3.7 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F
677	8300	6xx	4x	x	-x

C	Number of contacts from 04 to 40
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the frst pin See below 1 or 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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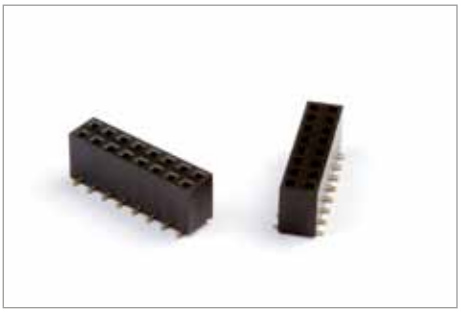
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

MODUKON SMT

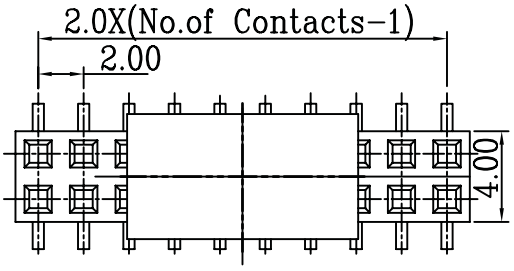


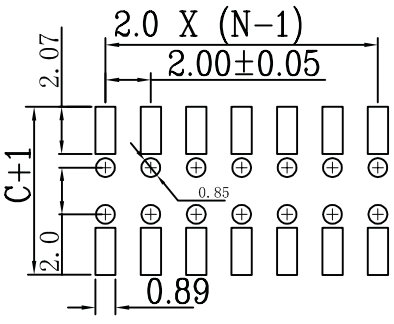
Features	Dual entry socket Body height 3.7 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

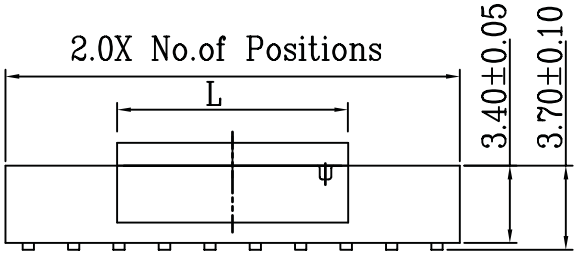
Product Code

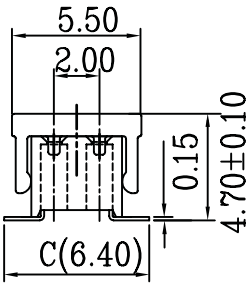
A	B	C	D	E	F
677	8301	6xx	4x	x	-x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap









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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2 mm

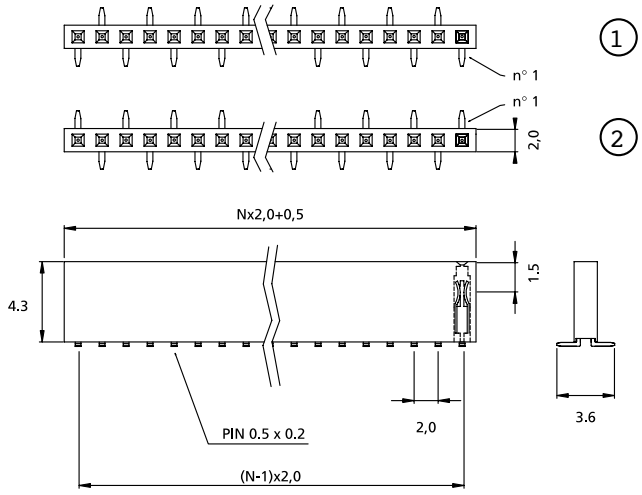
MODUKON SMT

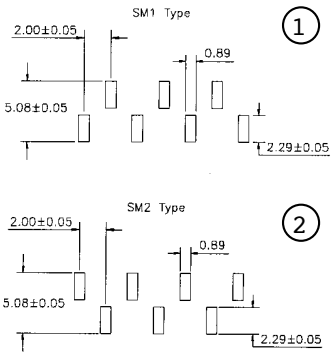
Features	Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Carton box, Tube or T&R

Product Code

A	B	C	D	E	F	G
677	9734	6	xx	4x	x	-x

D	Number of contacts from 04 to 25
E	Plating 1 Gold flash 4 Tin 7 Selective gold plating 0 Gold 0.25 µm 6 Selective gold flash
F	Position of the first pin see below 1 or 2
G	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap





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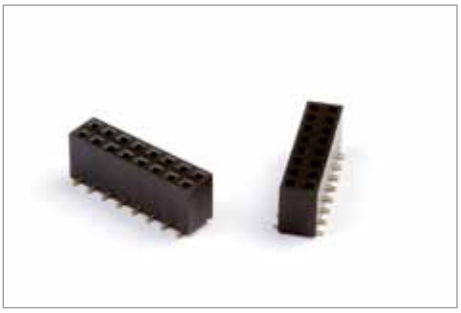
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

MODUKON SMT



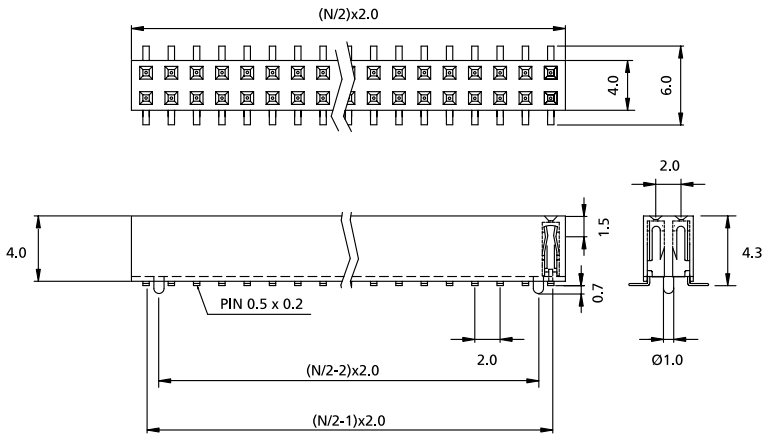
Features	Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Carton box, Tube or T&R

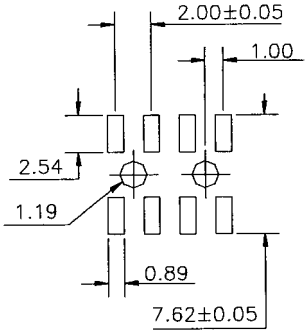
Product Code

A	B	C	D	E	F	G
677	9735	6	xx	4x	x	-x

D	Number of contacts from 06 to 60
E	Plating 1 Gold flash 4 Tin 7 Selective gold plating 0 Gold 0.25 µm 6 Selective gold flash
F	Locating peg (Ø 1 mm) 0 without 1 with
G	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap

(N= Number of contacts)





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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2 mm

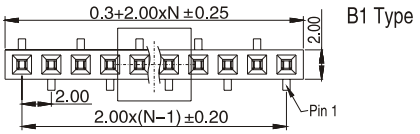
MODUKON SMT

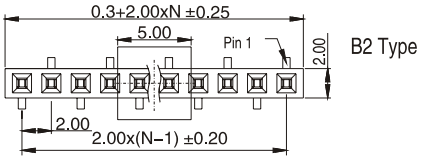
Features	Toal body height 7.62 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

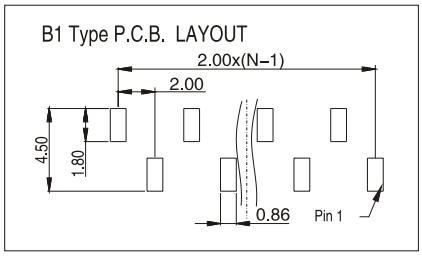
Product Code

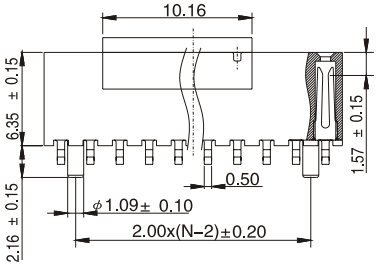
A	B	C	D	E	F
677	8290	6xx	4x	x	-x

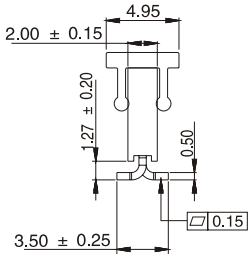
C	Number of contacts from 02 to 30
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the frst pin See below 1 or 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap

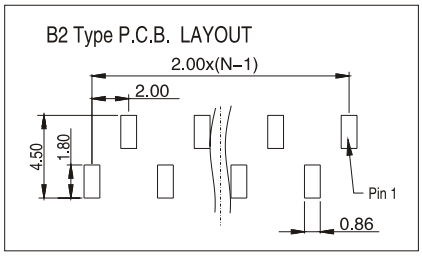












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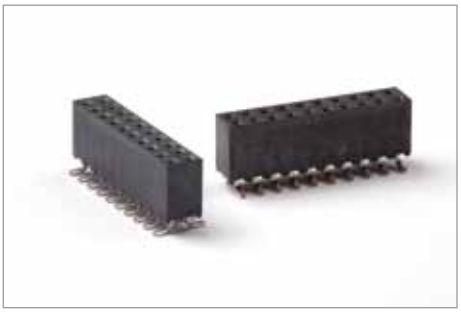
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

MODUKON SMT

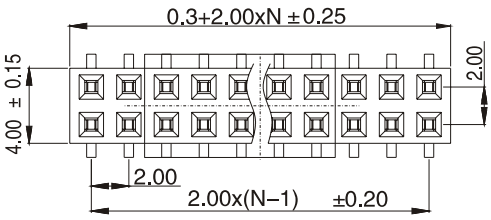


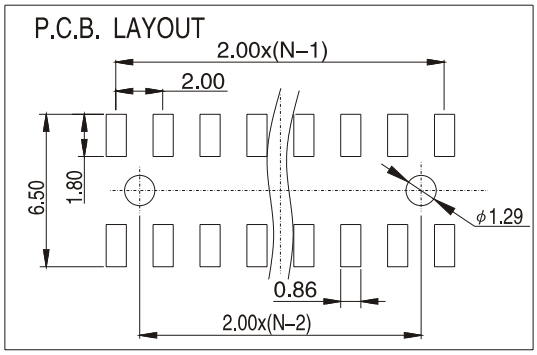
Features	Toal body height 7.62 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

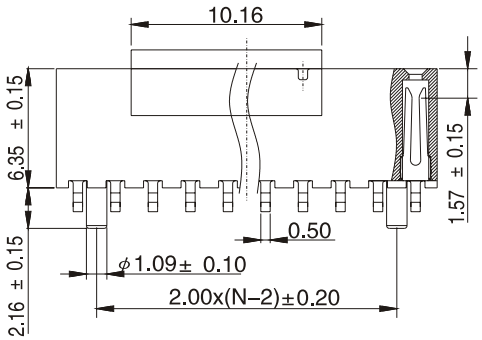
Product Code

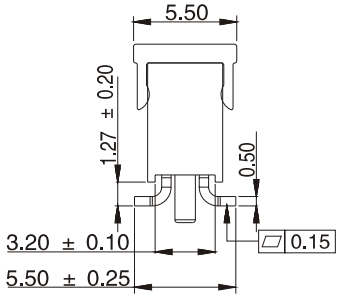
A	B	C	D	E	F
677	8291	6xx	4x	x	-x

C	Number of contacts from 04 to 60
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap









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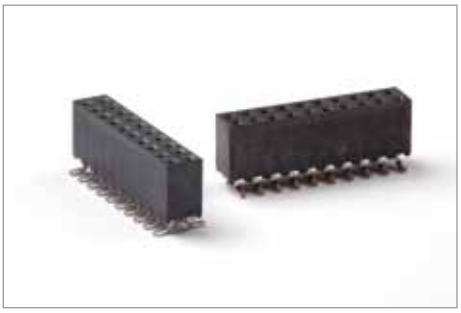
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

MODUKON SMT

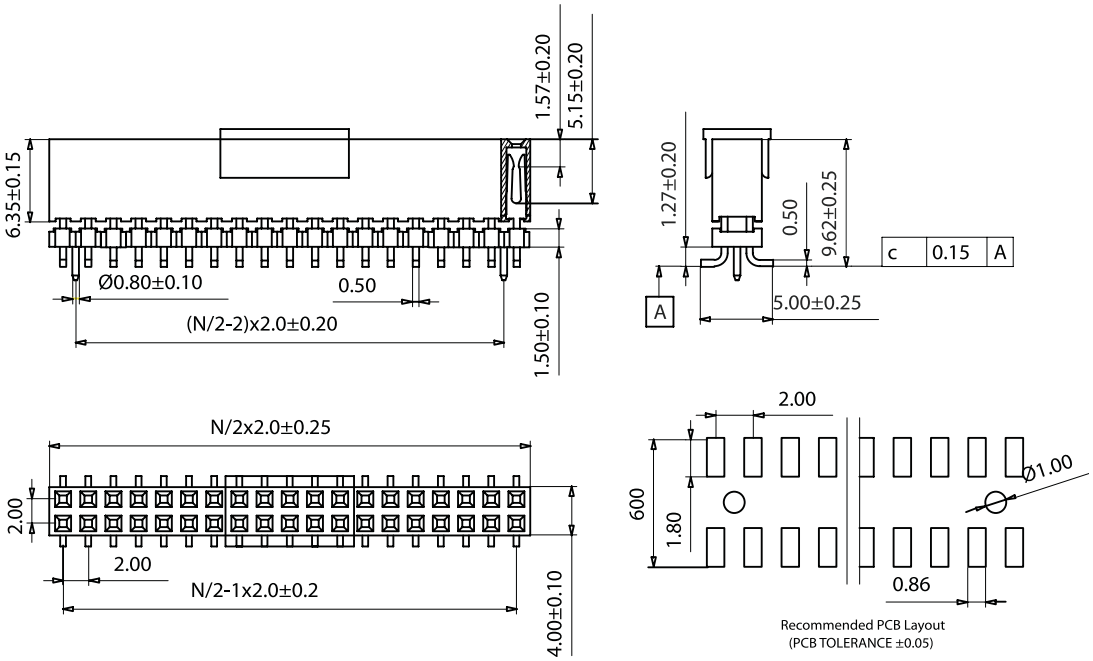


Features	Elevated SMT socket Cody height 9,62 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F
677	8299	6xx	4x	x	-x

C	Number of contacts from 04 to 60
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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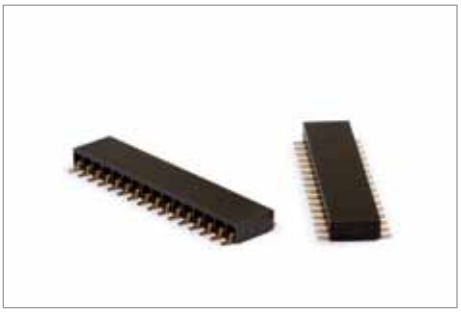
SOCKET
SOCKET CONNECTOR RIGHT ANGLE SINGLE ROW SMT 2 mm

MODUKON SMT

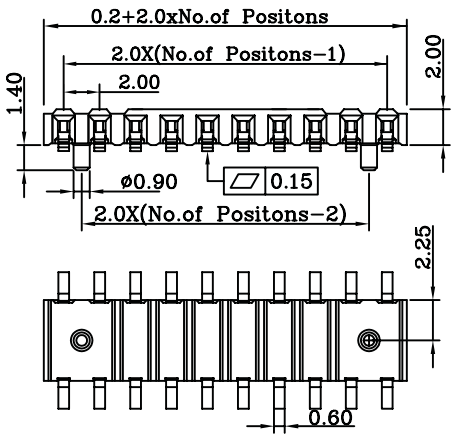


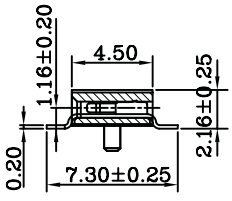
Features	Body height 2.16 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

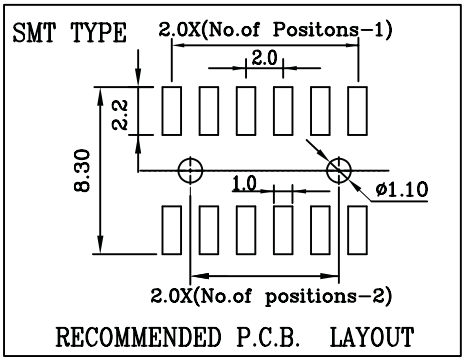
Product Code

A	B	C	D	E	F
677	8303	6xx	4x	x	-x

C	Number of contacts from 02 to 20
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube R: Tape & Reel



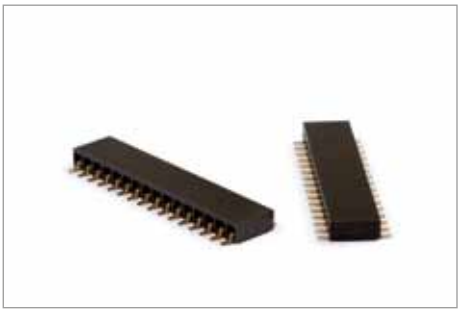




"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW SMT 2 mm

MODUKON SMT

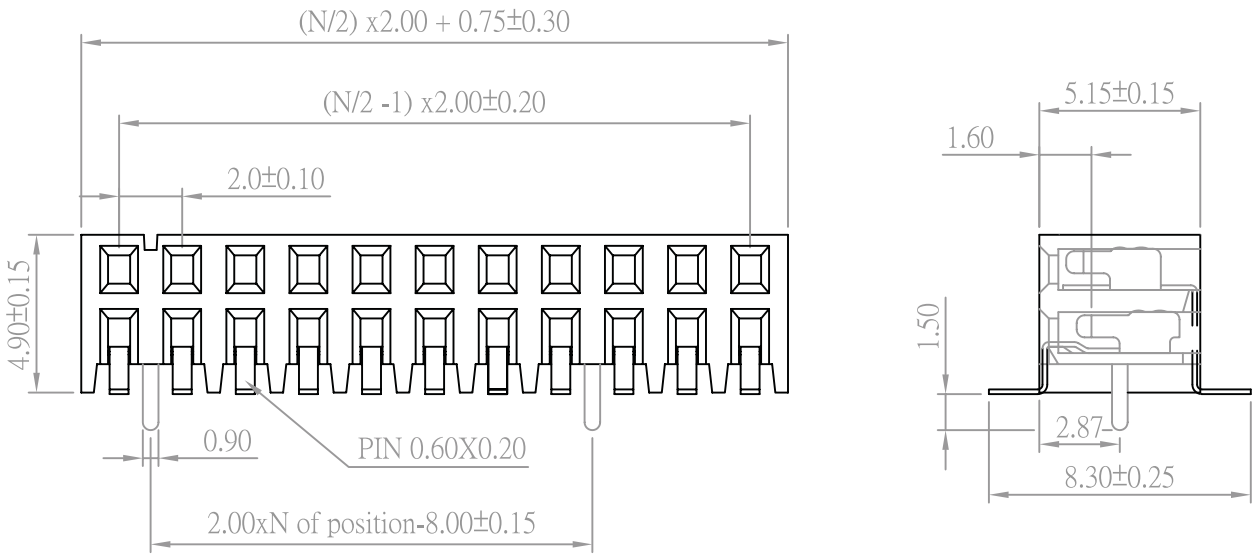


Features	Body height 4.9 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1.5A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩmini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or Tape & Reel

Product Code

A	B	C	D	E	F
677	9841	6xx	4x	x	-x

C	Number of contacts from 04 to 40
D	Plating 1 Gold flash 4 Tin 7 Selective gold
E	Location peg 0: without location peg 1: with location peg
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR RIGHT ANGLE SMT 2 mm

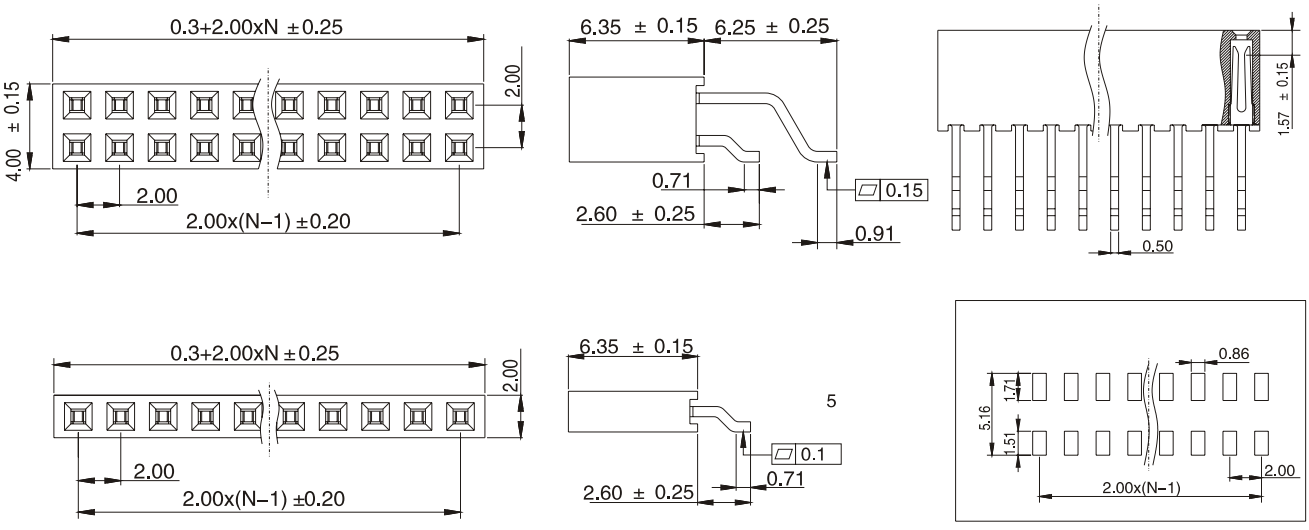
MODUKON SMT

Features	Body height 2 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E
677	829x	6xx	4x0	-x

B	Number of row 2 Single row 3 Double row
C	Number of contacts from 02 to 30 single row from 04 to 60 double row
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	T: tube R: Tape & Reel



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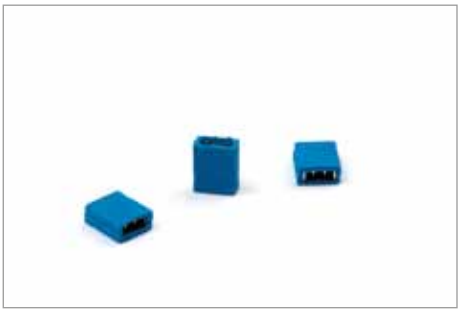
INSULATED JUMPERS

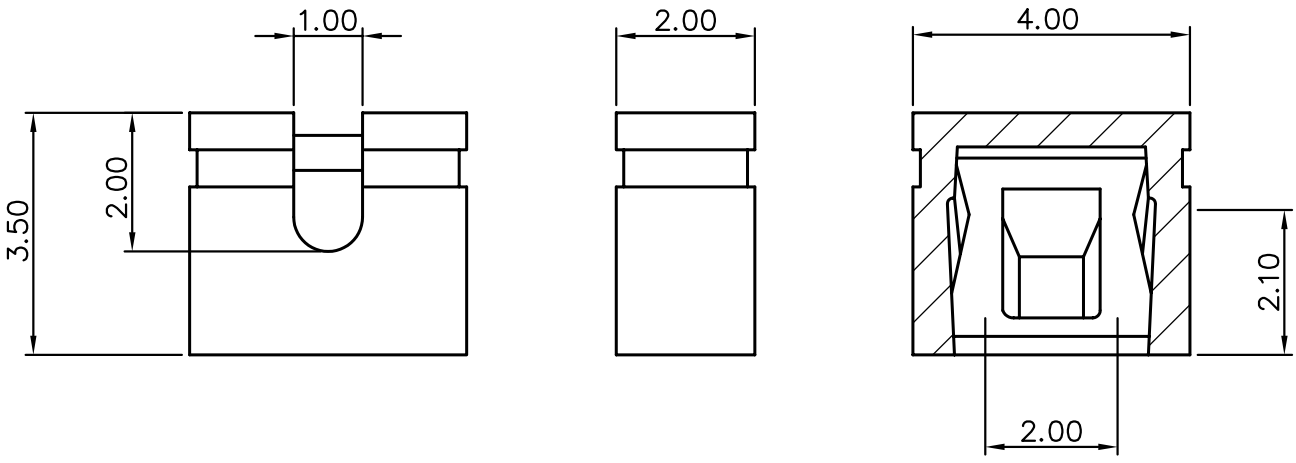


Features	Mate with 2.0 mm grid male header connectors
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E
313	971x	000	4x	x

B	3 Open jumper, low profile 3.5 mm 4 Close jumper, profile 5.0 mm
D	Plating 1 Gold flash 0 Gold 0.25 µm 4 Tin 7 Selective gold 6 Selective gold flash
E	colors: 0 black 2 red 4 yellow 5 green 6 blue 8 gray 9 white



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BOARD TO BOARD CONNECTION
PITCH 2.54 mm

Note:

PLATING standard version

Gold 0.25 µm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

INTERKON

Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

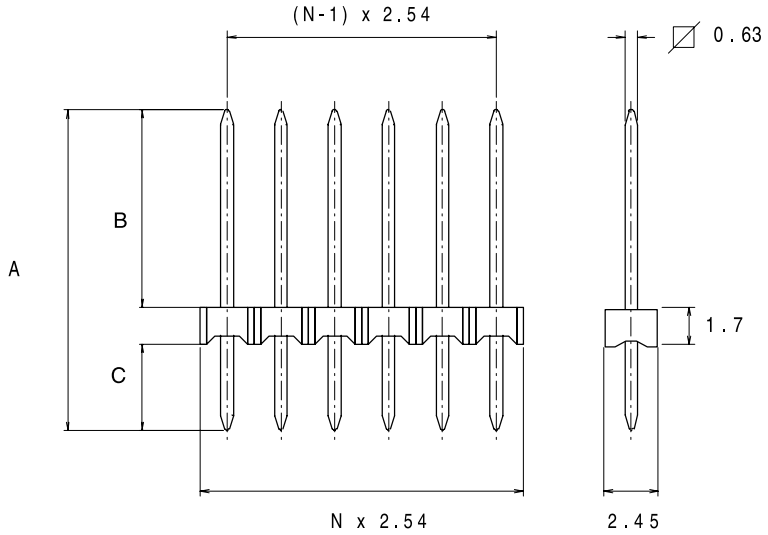
Product Code

A	B	C	D
985	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

xx	A	B	C
11	9.2	4.3	3.2
13	10.2	5.3	3.2
15	11.2	6.3	3.2
17	12.4	7.5	3.2
19	13.8	8.9	3.2
21	14.5	9.6	3.2
22	15.1	10.2	3.2
24	16.0	11.2	3.2
28	17.7	12.5	3.2
31	19.5	14.6	3.2
33	22.0	17.1	3.2
35	23.3	18.5	3.2
37	25.8	20.9	3.2
39	28.3	23.4	3.2
42	30.8	25.9	3.2

(N= Number of contacts)



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

INTERKON

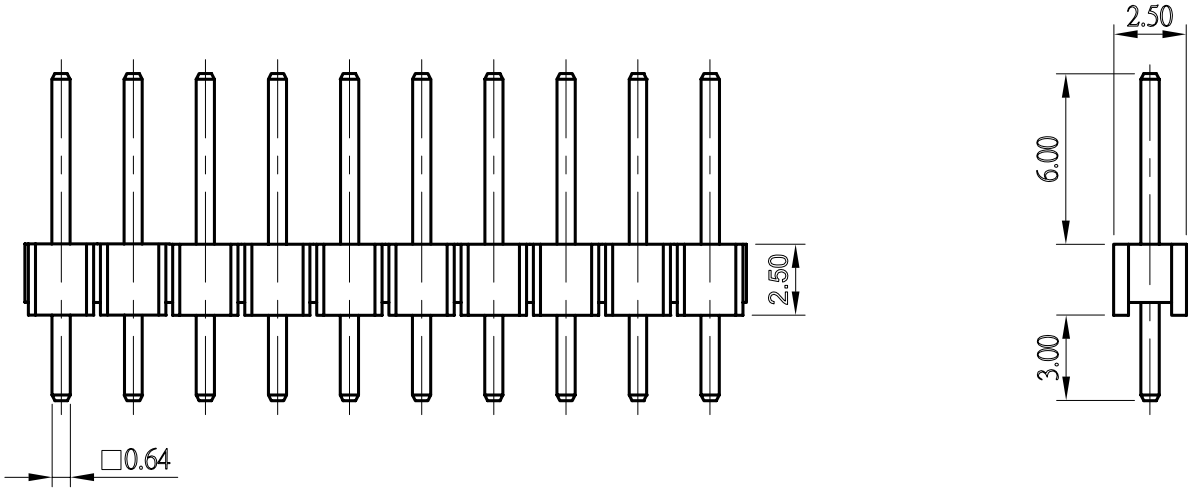
Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
471	9760	1xx	4x0

C	Number of contacts from 02 to 40
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold

(N= Number of contacts)



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

STRIP HEADERS

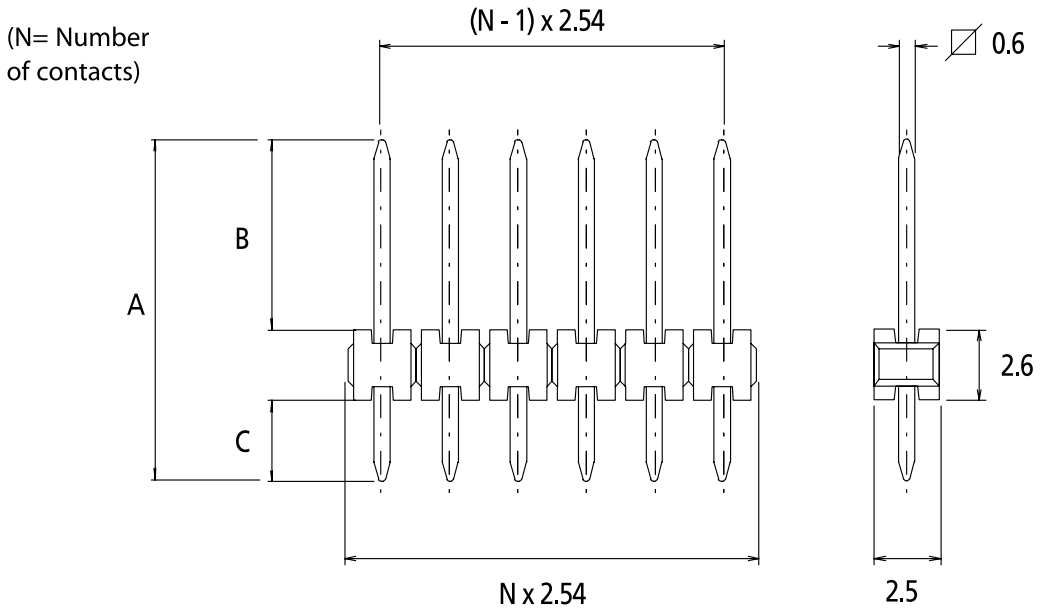
Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D
471	xxxx	1xx	4x0

B	Version
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

Version	A	B	C
0543	9.2	3.3	3.3
0298	10.2	4.5	3.1
0358	11.2	5.4	3.2
1955	11.2	5.8	2.8
1956	12.4	5.8	4.0
0334	12.4	6.8	3.0
2801	12.9	7.3	3.0
0369	13.8	7.7	3.5
2035	13.8	8.1	3.1
0302	14.5	7.0	4.9
2754	14.5	8.8	3.1
0395	15.1	8.0	4.5
2256	15.1	9.3	3.2
2581	16.3	10.9	2.8
0575	17.7	12.0	3.1
2673	19.5	13.7	3.2
0211	22.0	15.6	3.8
2643	22.0	16.5	2.9
2003	25.8	20.2	3.0
0307	30.8	22.4	5.8
2804	30.8	25.2	3.0



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

INTERKON

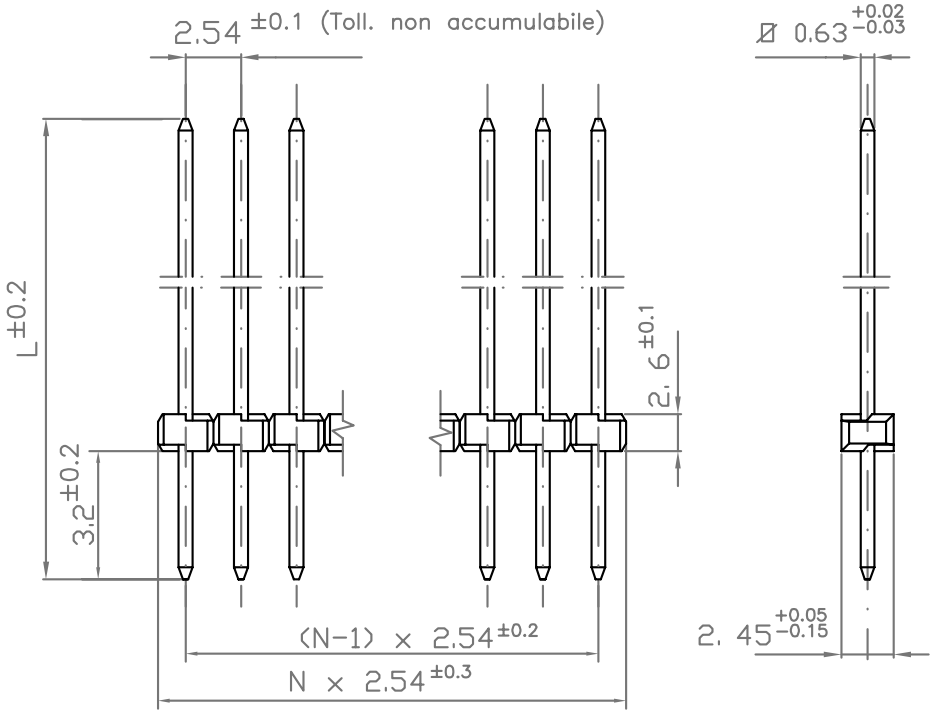
Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code

A	B	C	D
971	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.20÷0.25 μm over 1÷2 μm Ni 1 Gold flash 4 Tin 3÷5 μm over 0.5÷1 μm Ni

xx	A	B	C
11	9.2	3.4	3.2
13	10.2	4.4	3.2
15	11.2	5.4	3.2
17	12.4	6.6	3.2
19	13.8	8.0	3.2
21	14.5	8.7	3.2
22	15.1	9.3	3.2
24	16.0	10.2	3.2
28	17.7	11.9	3.2
31	19.5	13.7	3.2
33	22.0	16.2	3.2
35	23.3	17.5	3.2
37	25.8	20.0	3.2
39	28.3	22.5	3.2
42	30.8	25.0	3.2



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

STRIP HEADERS

Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

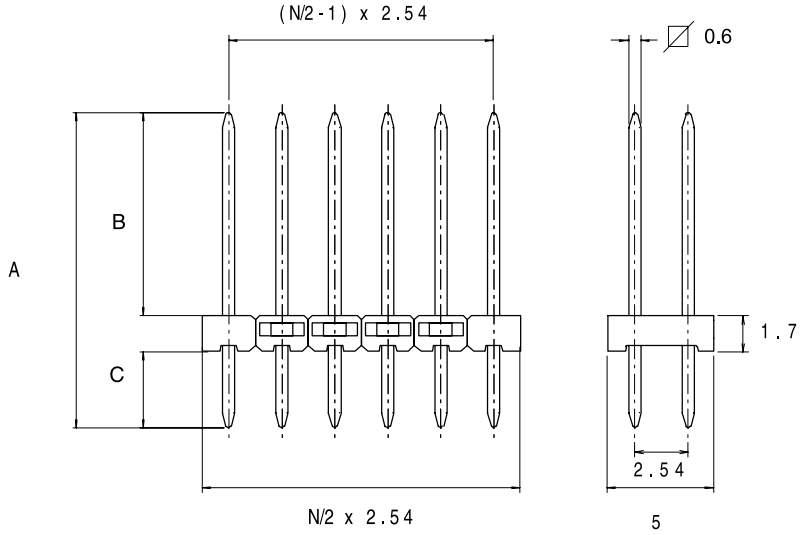
Product Code

A	B	C	D	E
38x	0xxx	1	xx	4x0

A	5 Gold version 6 Tin version
B	Version see table
D	Number of contacts per strip from 01 to 40
E	00/40 Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

Version	A	B	C
0543	9.2	4.3	3.2
0298	10.2	5.4	3.1
0358	11.2	6.3	3.2
0334	12.4	7.5	3.2
0369	13.8	8.6	3.5
0395	15.1	8.9	4.5
0575	17.7	12.8	3.2
0211	22.0	16.5	3.8

(N= Number of contacts)



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

INTERKON

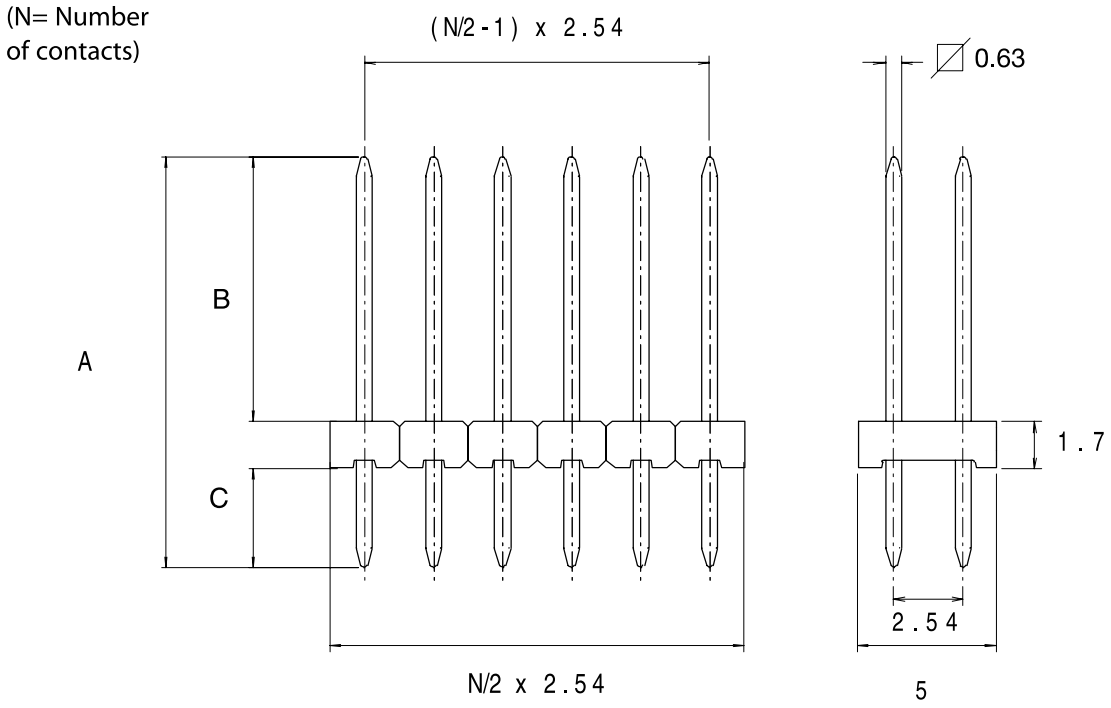
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code

A	B	C	D
989	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	0 Gold 0.20÷0.25 µm over 1÷2µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

xx	A	B	C
11	9.2	4.3	3.2
13	10.2	5.3	3.2
15	11.2	5.3	3.2
17	12.4	7.5	3.2
19	13.8	8.9	3.2
21	14.5	9.6	3.2
22	15.1	10.2	3.2
24	16.0	11.2	3.2
28	17.7	12.8	3.2
31	19.5	14.6	3.2
33	22.0	17.1	3.2
35	23.3	18.5	3.2
37	25.8	20.9	3.2
39	28.3	23.4	3.2
42	30.8	25.9	3.2



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

INTERKON

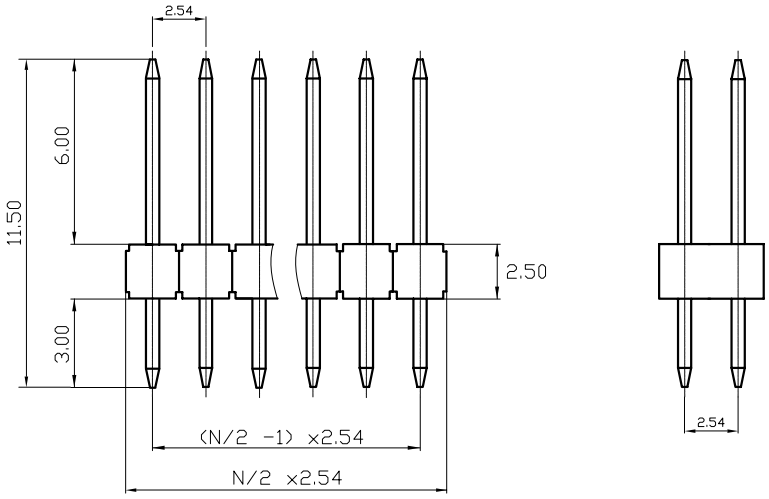
Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
473	9750	1xx	4x0

C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold

(N= Number of contacts)



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

STRIP HEADERS

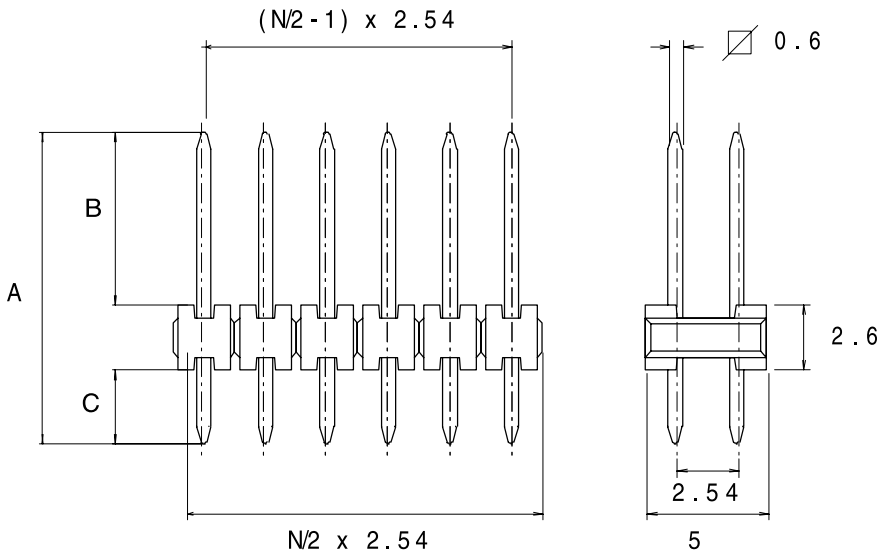
Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code			
A	B	C	D
473	xxxx	1xx	4x0

B	Version
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

Version	A	B	C
0358	11.2	5.4	3.2
1955	11.2	5.8	2.8
0334	12.4	6.8	3.0
2801	12.9	7.3	3.0
0369	13.8	7.7	3.5
2035	13.8	7.7	3.5
2754	14.5	8.8	3.1
2256	15.1	9.3	3.2
2581	16.3	10.9	2.8
0575	17.7	12.0	3.1
1960	17.7	9.3	5.8
0211	22.0	15.6	3.8
2804	30.8	25.2	3.0
0395	15.1	8.0	4.5
0298	10.2	4.5	3.2
0543	9.2	3.3	3.3
0303	19.5	12.0	4.9
0307	30.8	22.4	5.8
0306	28.3	19.9	5.8
0305	25.8	17.4	5.8
0304	23.3	14.9	5.8
1844	16.3	7.9	5.8
1958	14.5	6.1	5.8
1956	12.4	4.0	5.8

(N= Number of contacts)



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

INTERKON

Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

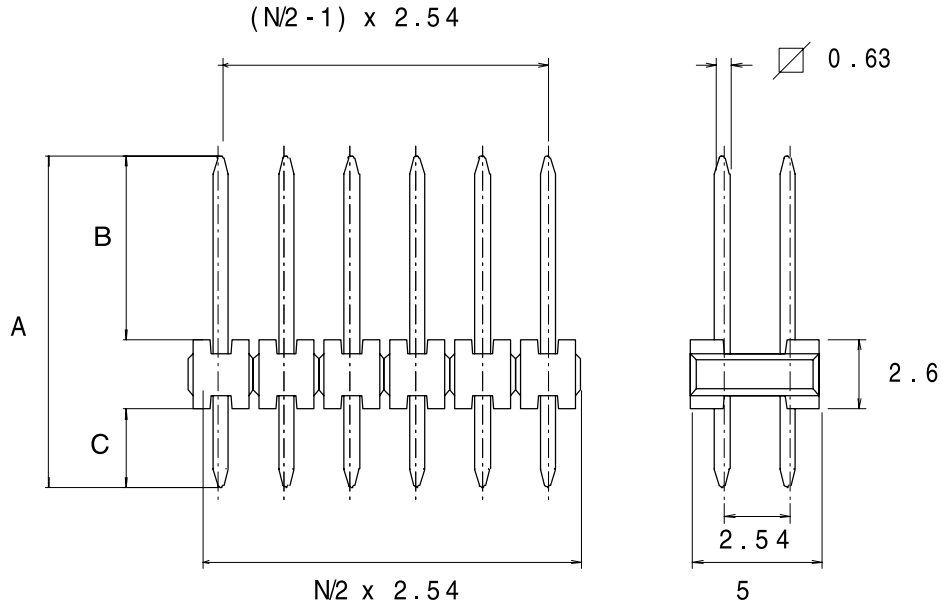
Product Code

A	B	C	D
973	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

xx	A	B	C
11	9.2	3.4	3.2
13	10.2	4.4	3.2
15	11.2	5.4	3.2
17	12.4	6.6	3.2
19	13.8	8.0	3.2
21	14.5	8.7	3.2
22	14.5	8.7	3.2
24	16.0	10.2	3.2
28	17.7	11.9	3.2
31	19.5	13.7	3.2
33	22.0	16.2	3.2
35	23.3	17.5	3.2
37	25.8	20.0	3.2
39	28.3	22.5	3.2
42	30.8	25.0	3.2

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

INTERKON

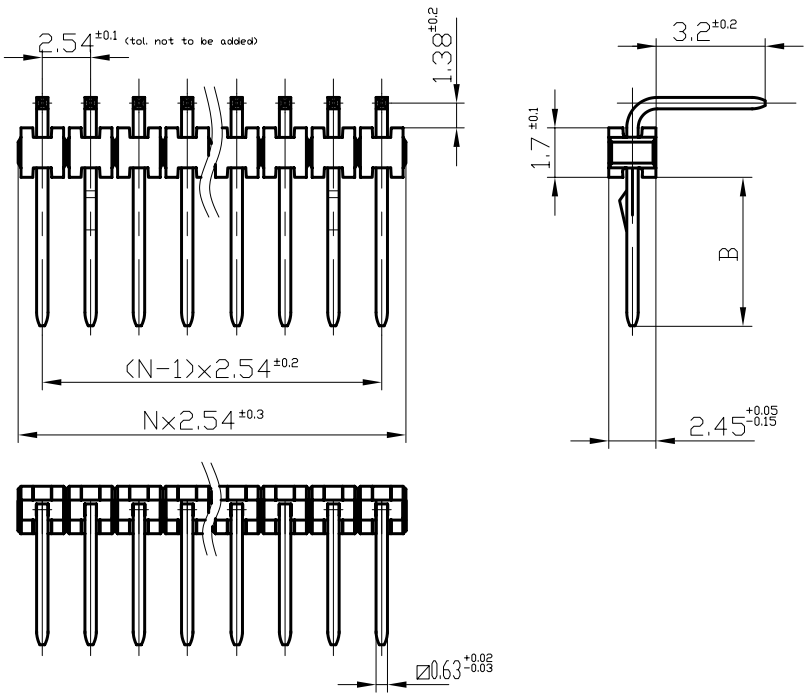
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
903	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.20÷0.25 μm over 1÷2 μm Ni 1 Gold flash 4 Tin 3÷5 μm over 0.5÷1 μm Ni

Version	A	B	C
11	2.30	3.20	1.38
13	3.30	3.20	1.38
15	4.30	3.20	1.38
17	5.50	3.20	1.38
19	6.90	3.20	1.38
21	7.60	3.20	1.38
22	8.20	3.20	1.38
24	9.10	3.20	1.38
28	10.80	3.20	1.38
31	12.60	3.20	1.38
32	13.40	3.20	1.38
33	15.10	3.20	1.38

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

INTERKON

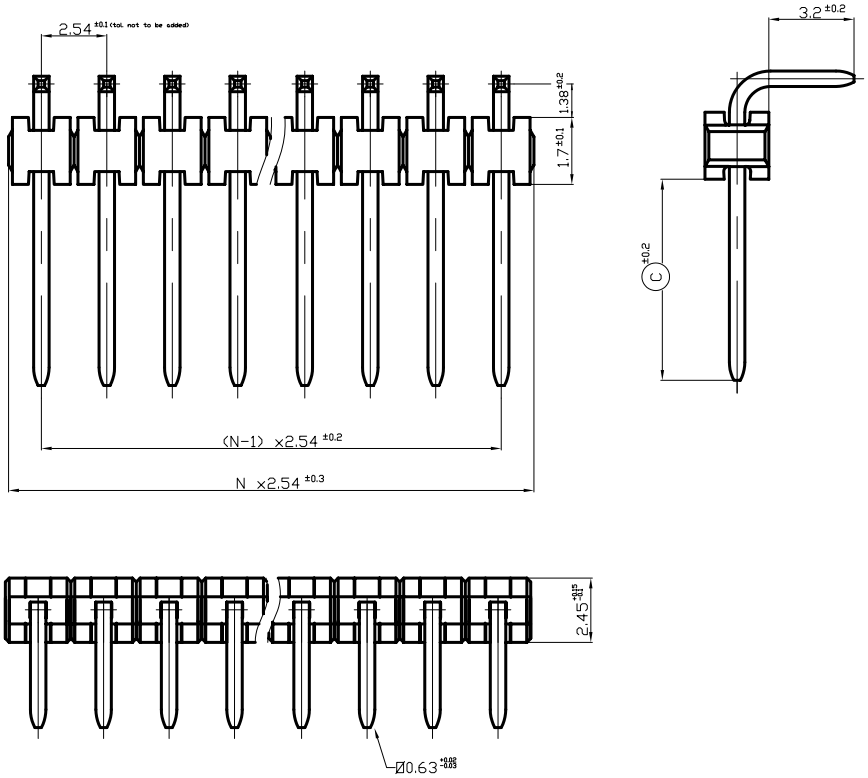
Features	Breakable header Insulator profile 31.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code				
A	B	C	D	E
987	99xx	1	xx	4x0

B	Standard connectors: view table
D	Number of contacts from 01 to 40
E	Plating 0 Gold 0.20÷0.25 μm over 1÷2 μm Ni 1 Gold flash 4 Tin 3÷5 μm over 0.5÷1 μm Ni

xx	B	C	D
11	3.2	2.2	1.38
13	3.2	3.2	1.38
15	3.2	4.2	1.38
17	3.2	5.4	1.38
19	3.2	6.8	1.38
22	3.2	8.1	1.38
24	3.2	9.0	1.38
28	3.2	10.7	1.38
31	3.2	12.5	1.38
33	3.2	15.0	1.38

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

INTERKON

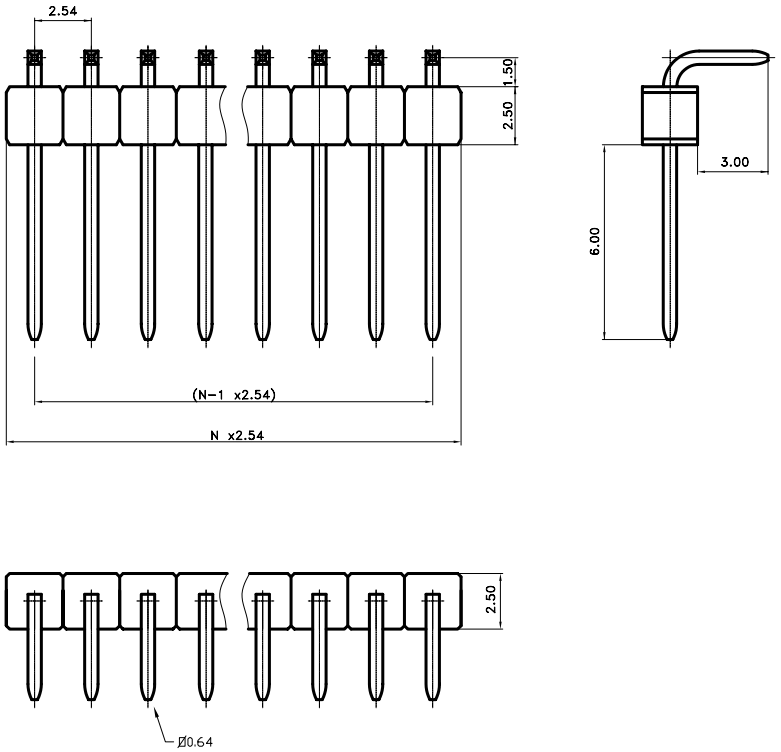
Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
472	9716	1xx	4x0

C	Number of contacts from 02 to 40
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

INTERKON

Features	Header breakable to required length Pitch 2.54 mm
Material	Housing: Black GF thermoplastic UL94 V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Voltage: 1000 V eff. Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -55 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

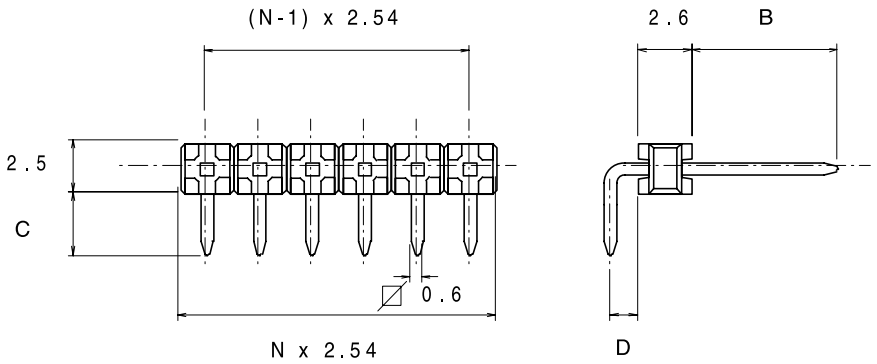
Product Code

A	B	C	D	E
472	xxx	1	xx	4x0

B	Version
D	Number of contacts from 01 to 40
E	Plating 0 Gold 0.20 µm over 1.27 µm Ni 4 Tin 4 µm over 1.27 µm Ni Other platings on demand

Version	B	C	D
47203031xx4x0	3.2	9.1	3.9
47203581xx4x0	3.3	3.2	1.4
47203691xx4x0	5.6	3.6	1.4
47203021xx4x0	7	3	1.4
47218441xx4x0	7	5	1.4
47205751xx4x0	9.9	3.2	1.4
47202111xx4x0	14.1	3.2	1.4

(N= Number of contacts)



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

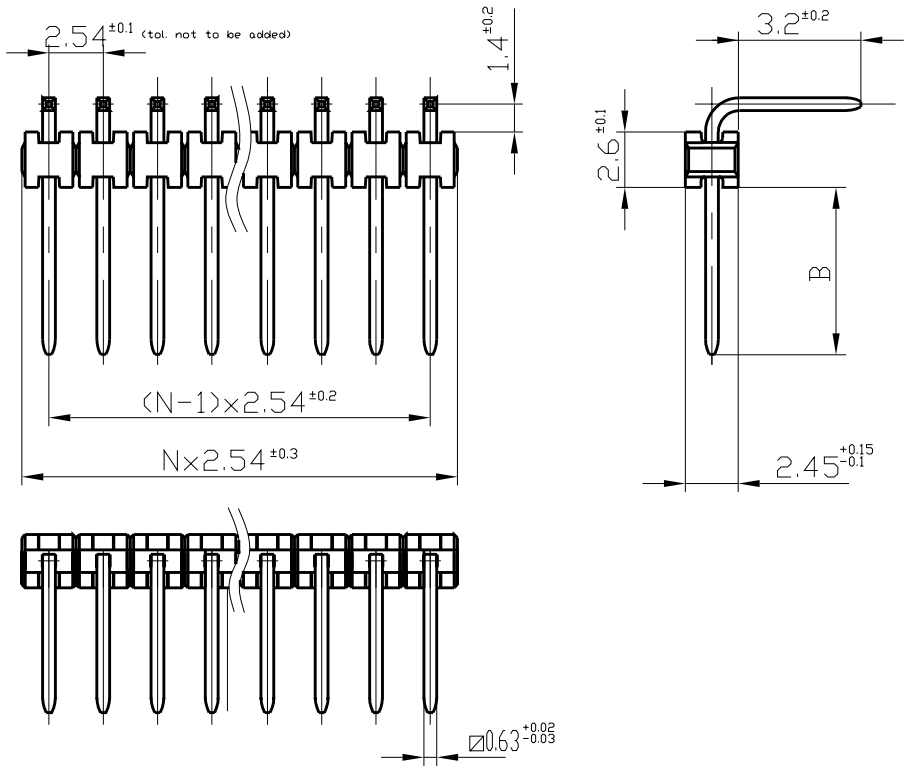
INTERKON

Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
972	99xx	1xx	4x0

B	Standard connectors: view table
D	Number of contacts from 01 to 40
E	Plating 0 Gold 0.20÷0.25 μm over 1÷2 μm Ni 1 Gold flash 4 Tin 3÷5 μm over 0.5÷1 μm Ni

xx	B	C	D
15	3.4	3.2	1.4
17	4.6	3.2	1.4
19	6.0	3.2	1.4
21	6.7	3.2	1.4
22	7.3	3.2	1.4
24	8.2	3.2	1.4
28	9.9	3.2	1.4
31	11.7	3.2	1.4
33	14.2	3.2	1.4
35	15.5	3.2	1.4
37	18.0	3.2	1.4
39	20.5	3.2	1.4
42	23.0	3.2	1.4



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

STRIP HEADERS

Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

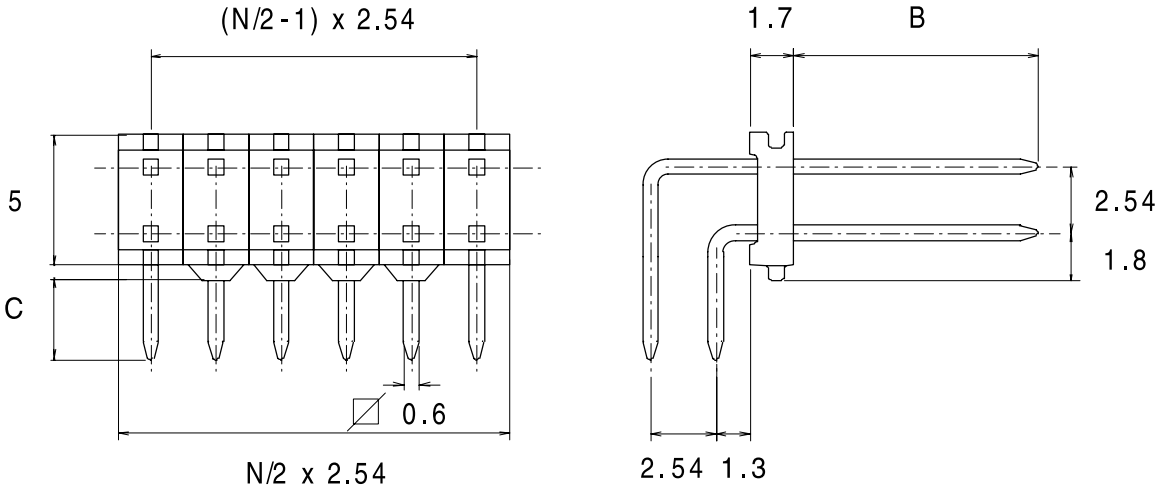
Product Code

A	B	C	D
39x	0xxx	1xx	4xx

Version	B	C
0419	5.8	3.0
0401	6.0	4.3

A	1 Gold version 2 Tin version
B	Version
C	Number of contacts per strip from 04 to 80
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

INTERKON

Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

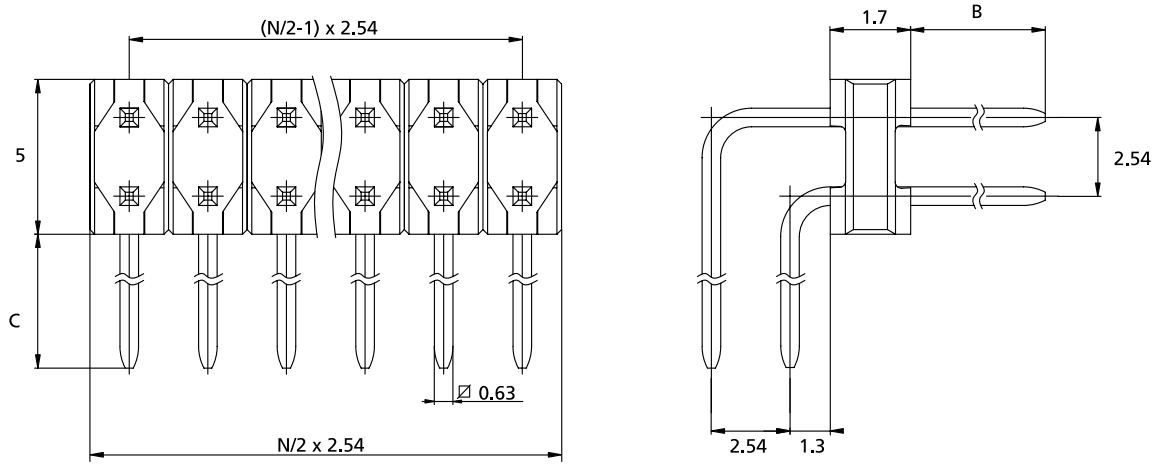
Product Code

A	B	C	D
991	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	0 Gold 00.25 µm 1 Gold flash 4 Tin

xx	B	C
51	3.2	3.2
52	7.5	3.2
53	5.4	3.2
54	8.1	3.2
79	18.8	3.2

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

INTERKON

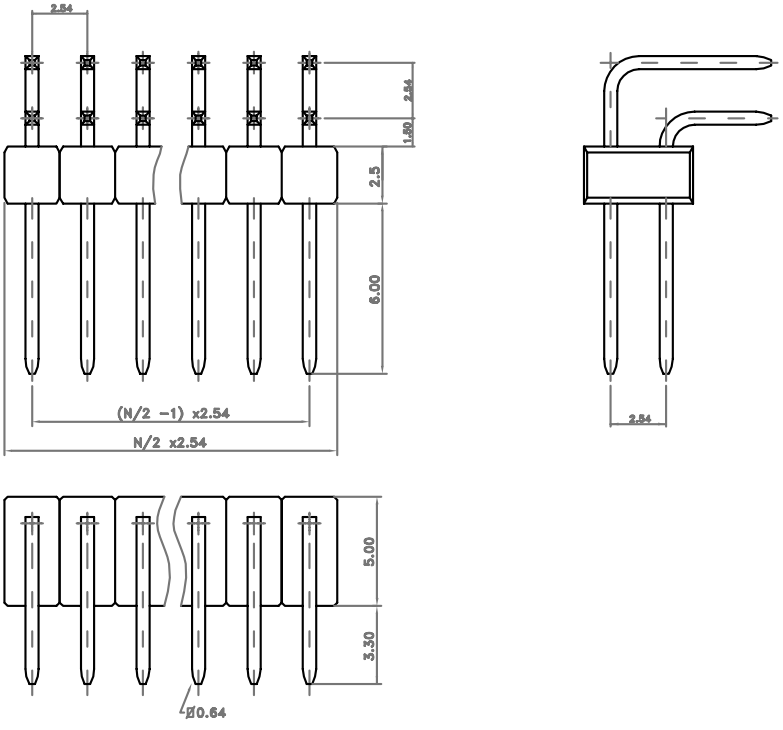
Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
474	9751	1xx	4x0

C	Number of contacts from 04 to 80
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

STRIP HEADERS

Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40° C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

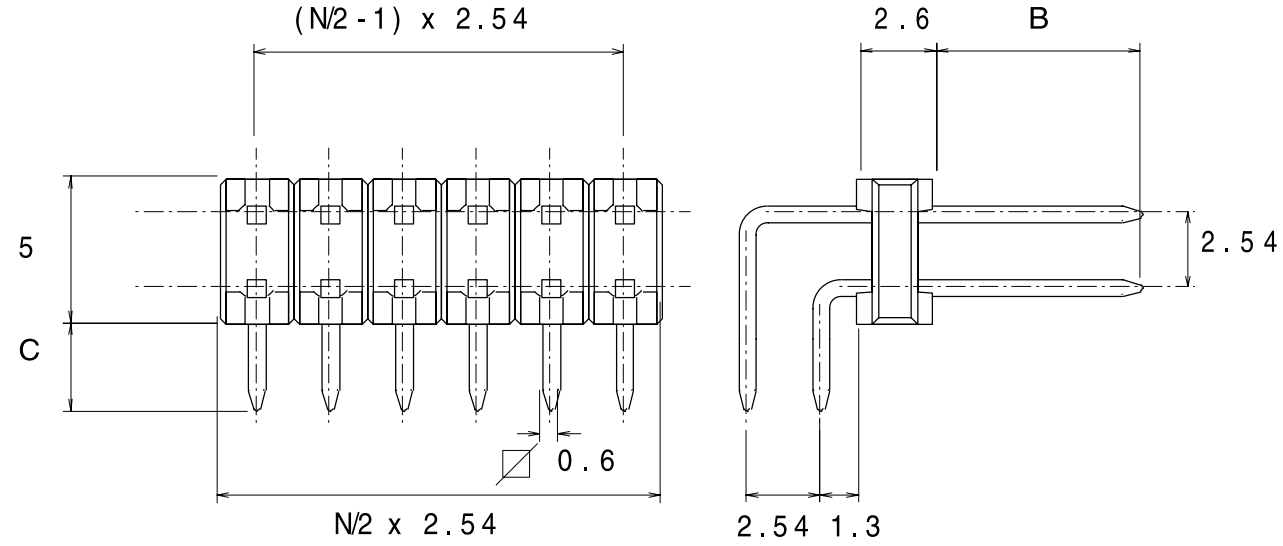
Product Code

A	B	C	D
474	xxxx	1xx	4x0

B	Version
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

Version	B	C
2160	3.3	3.4
2280	5.8	3.3
1965	6.0	3.8
1845	7.0	3.0
1984	8.1	3.5
1983	5.8	5.8

(N= Number of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

INTERKON

Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

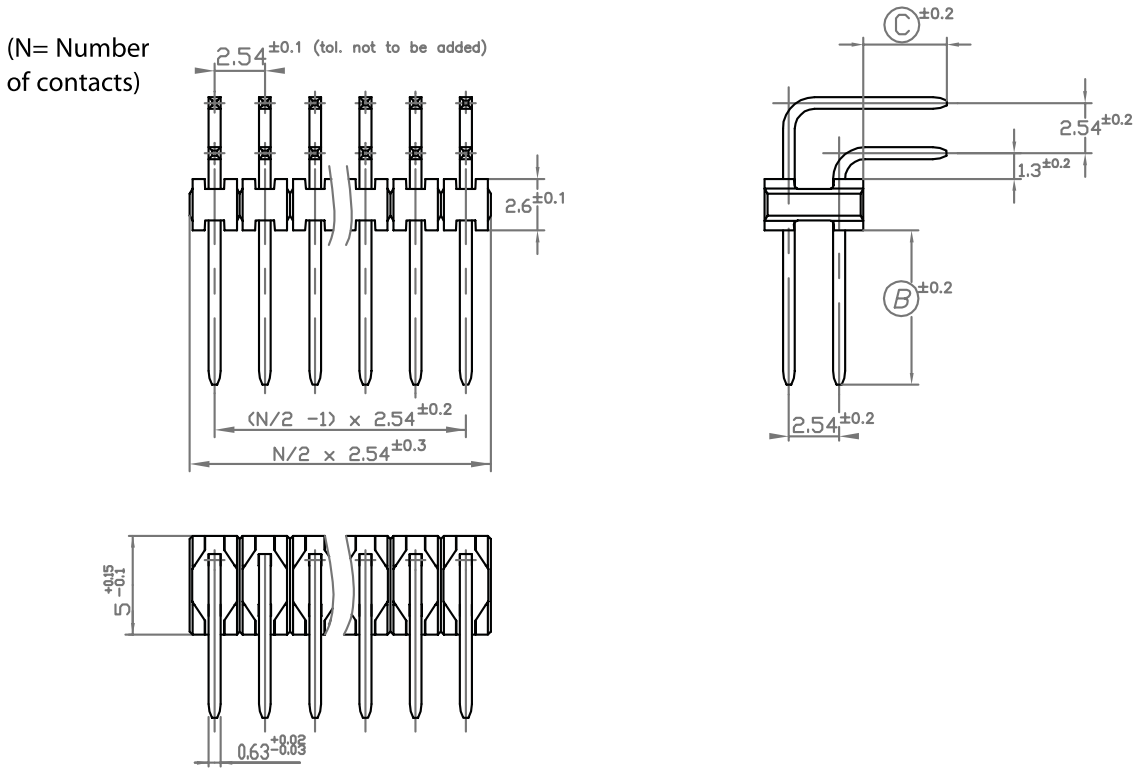
Product Code

A	B	C	D
974	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1µm Ni

Version	B	C
51	2.3	3.2
52	6.6	3.2
53	4.5	3.2
54	7.2	3.2
67	11.5	3.2
74	15.4	3.2
79	17.9	3.2

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
DUAL INSULATED STRIP HEADERS 2.54 mm

INTERCOM

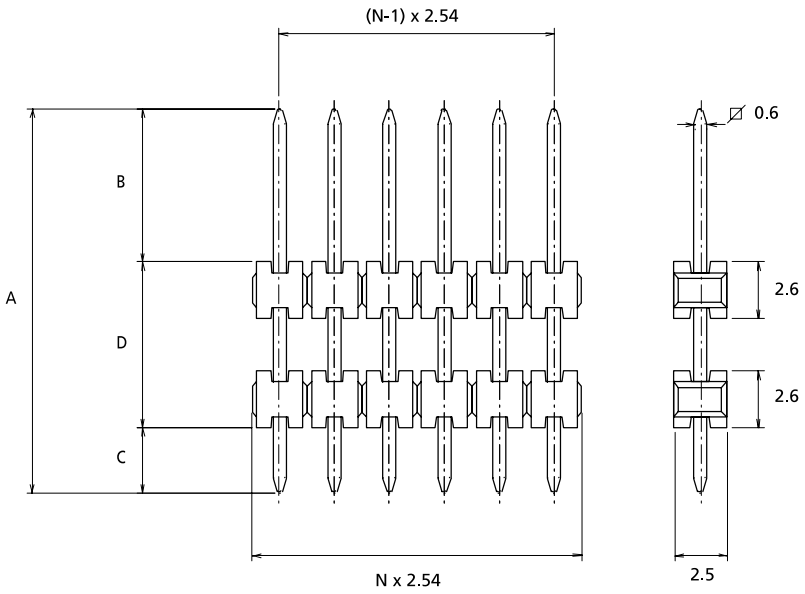
Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding:500 V AC Insulation resistance: 10000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable card board boxes

BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

0	Gold plating 0.2µm over Ni 1.27µm
1	Gold plating flash
4	Tin plating 4µm over Ni 1.27µm
7	Selective gold plating 0.2µm over Ni
8	Selective gold plating 0.4µm over Ni
9	Selective gold plating 0.8µm over Ni

N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
DUAL INSULATED DUAL ROW STRIP HEADERS 2.54 mm

INTERCOM

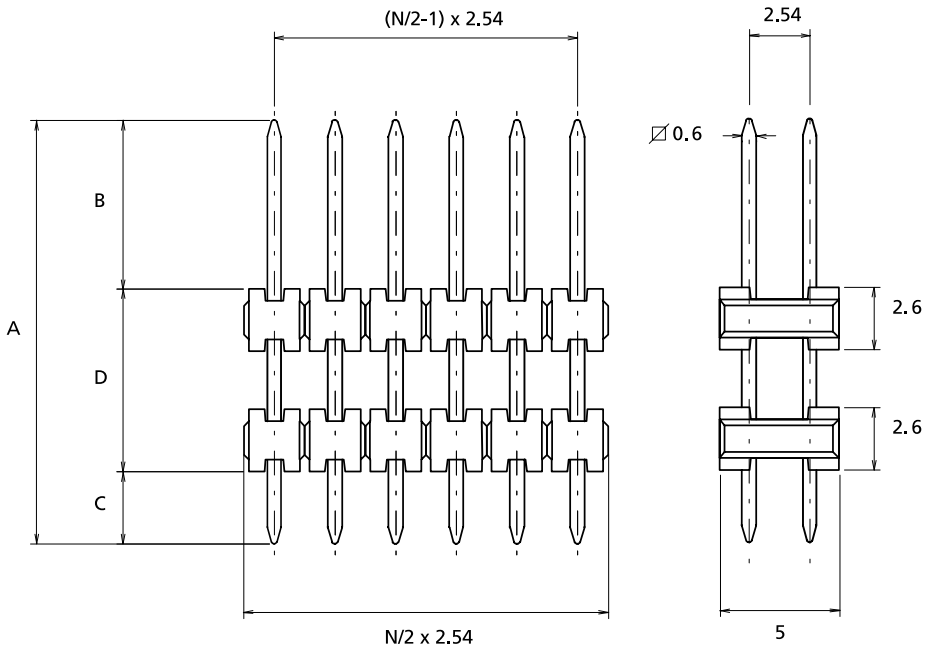
Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding:500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable card board boxes

BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

0	Gold plating 0.2 µm over Ni 1.27 µm
1	Gold plating flash
4	Tin plating 4 µm over Ni 1.27 µm
7	Selective gold plating 0.2 µm over Ni

N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER STRAIGHT SMT 2.54 mm

INTERKON SMT

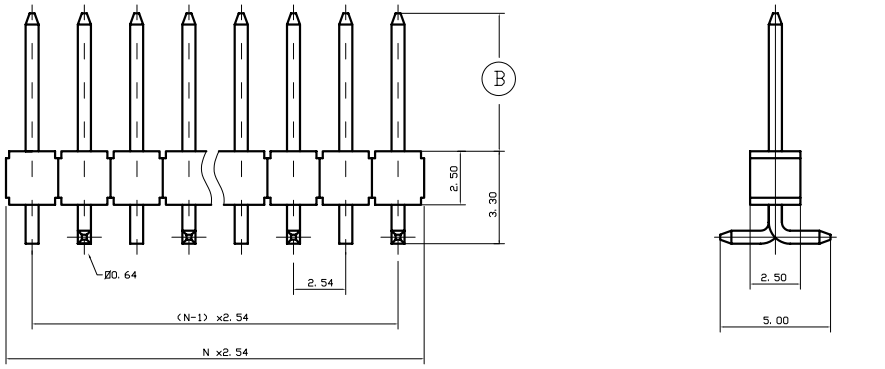
Features	Breakable header Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi. Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

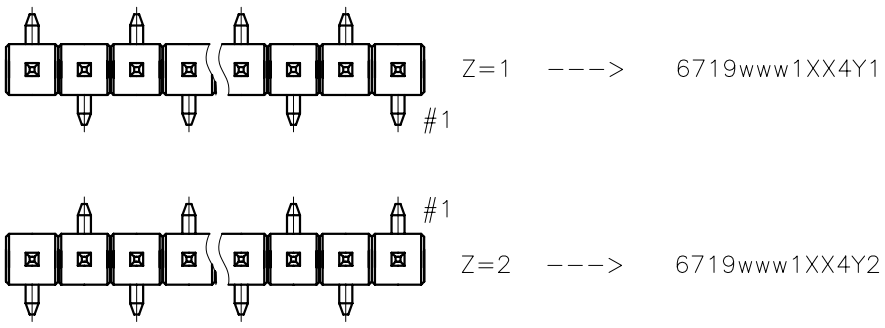
Product Code

A	B	C	D	E	F
671	9xxx	1xx	4x	x	-x

Cod	B
9807	3.3
9808	5.8
9798	6.0

B	See table
C	Number of contacts from 02 to 40
D	Plating 4 *Tin 4 µm over Ni 1.27 µm 7 *Selective Gold 0 Gold 0.25 µm 1 Gold flash
E	Position of the first pin (see below 1 or 2)
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap





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MALE HEADER
MALE HEADER DOUBLE ROW SMT 2.54 mm

INTERKON SMT

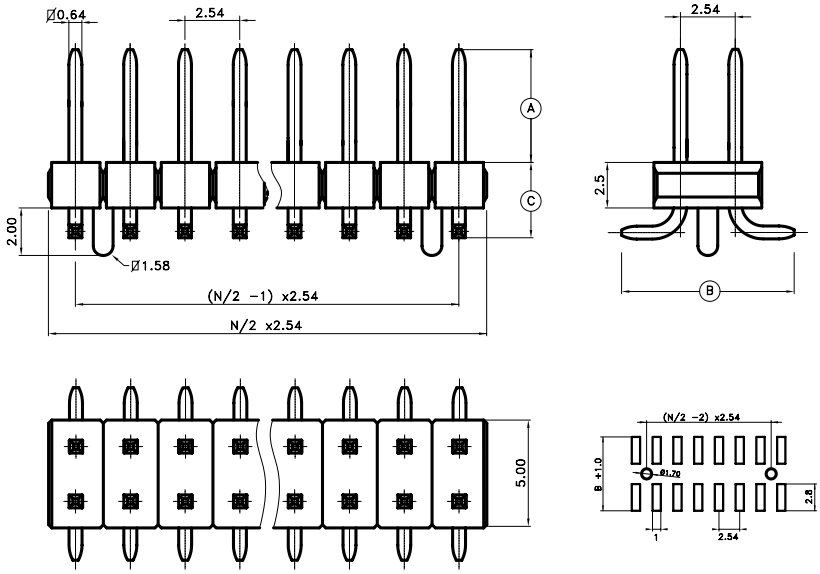
Features	Breakable header Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi. Dielectric withstanding: 1000 V AC Insulation resistance: 1 000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code

A	B	C	D	E	F
673	98xx	1xx	4x	x	-x

Cod	B
9809	3.3
9810	5.8
9811	6.0

B	See table
C	Number of contacts from 04 to 80
D	Plating 4 *Tin 4 µm over Ni 1.27 µm 7 *Selective Gold 0.2 µm over Ni 1.27 µm 0 Gold 0.25 µm 1 Gold flash 9 Gold 0.75 µm
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2.54 mm

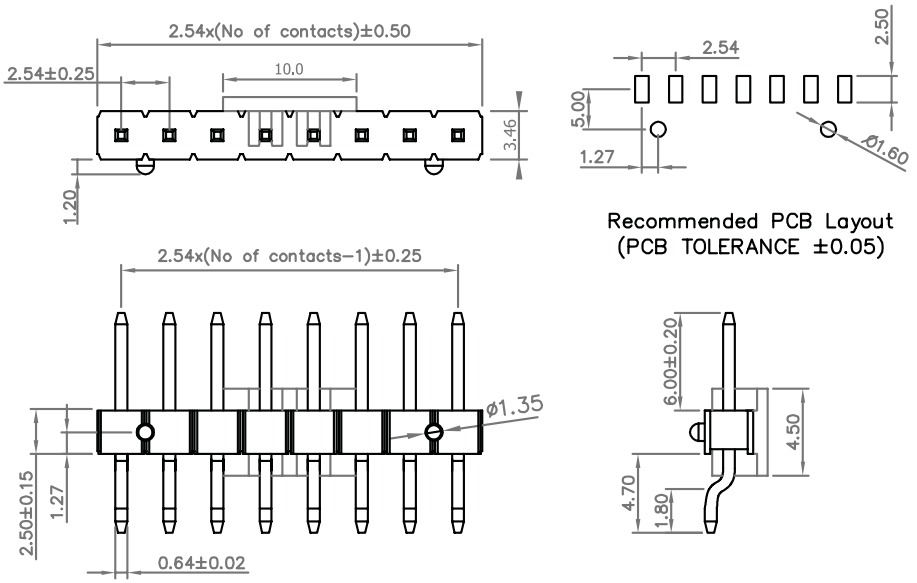
INTERKON SMT

Features	Breakable header Insulator profile 32.5 mm Postioning peg
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Brass
Electrical	Current rating: 3A maxi. Dielectric withstanding: 1000 V AC Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F	G
671	9749	1	xx	4x	1	-x

D	Number of contacts from 03 to 25
E	Plating 4 *Tin 7 *Selective Gold flash 0 Gold 0.25um 1 Gold flash 6 Selective gold flash tyht
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2.54 mm

INTERKON SMT

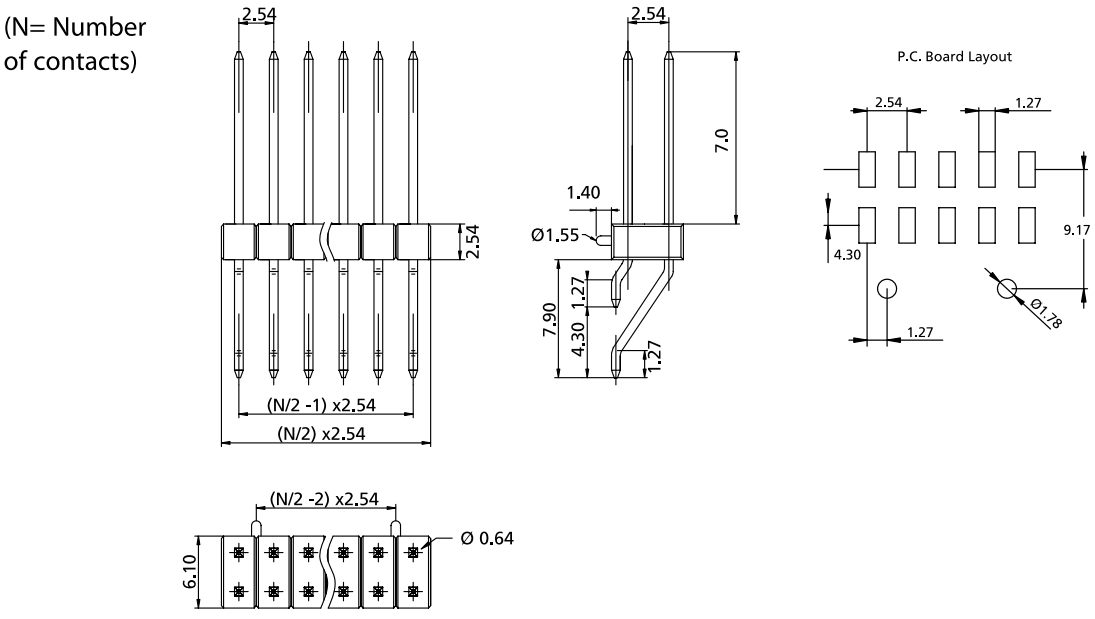
Features	Breakable header Insulator profile 2.5 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code

A	B	C	D	E	F	G
673	9812	1	xx	4x	x	-x

D	Number of contacts from 06 to 60
E	Plating 4 Tin 1 Gold flash 0 Gold 7 Selective Gold
F	Locating peg 0 without 1 with
G	Packging T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER DOUBLE BASE SMT 2.54 mm

INTERKON SMT

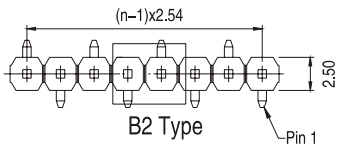
Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Voltage: 500 V Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -55 °C to 105 °C
Packaging	Tube, box or T&R

BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

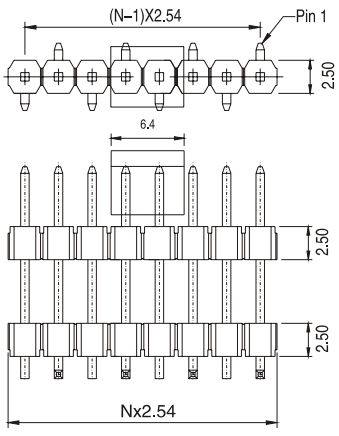
0	Gold plating 0.2µm over Ni 1.27µm
1	Gold plating flash
4	Tin plating 4µm over Ni 1.27µm
7	Selective gold plating 0.2µm over Ni
8	Selective gold plating 0.4µm over Ni
9	Selective gold plating 0.8µm over Ni

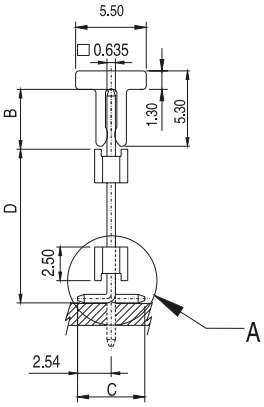
N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating

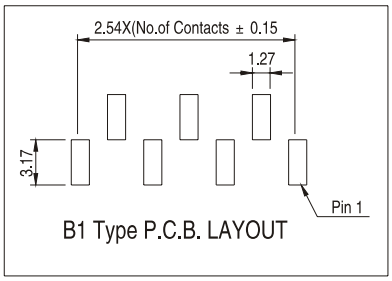
B1 Type



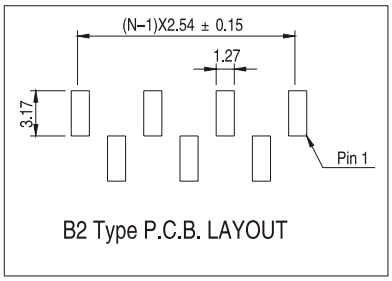
B2 Type







B1 Type P.C.B. LAYOUT



B2 Type P.C.B. LAYOUT

"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER DOUBLE BASE SMT 2.54 mm

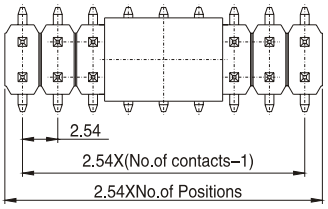
INTERKON SMT

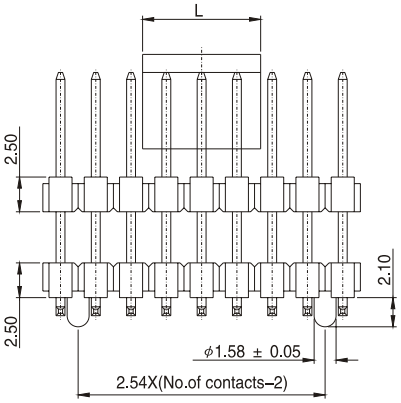
Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

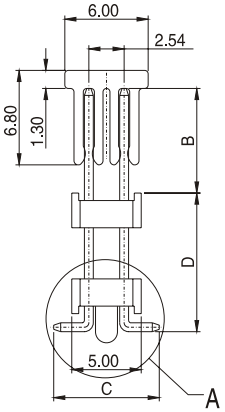
BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

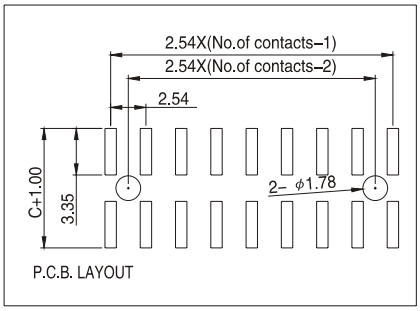
0	Gold plating 0.2 µm over Ni 1.27 µm
1	Gold plating flash
4	Tin plating 4 µm over Ni 1.27 µm
7	Selective gold plating 0.2 µm over Ni

N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating









"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT 2.54 mm

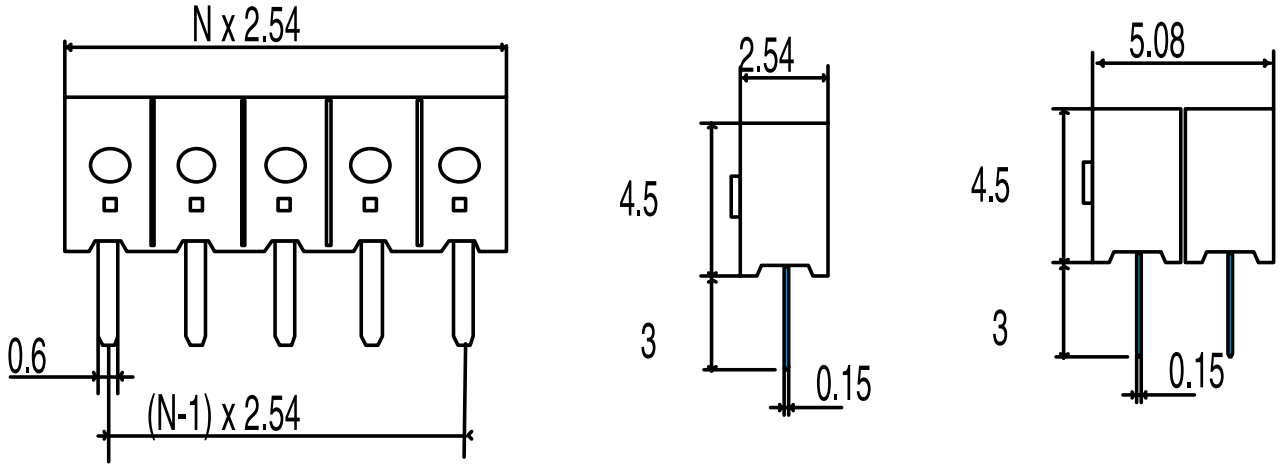
MINICOM

Features	Top entry breakable socket Body height 4.6 mm
Material	Housing: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V Insulation resistance: 1000 MΩ mini Contact resistence: 20 mΩ
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Plastic tubes (220 contacts per stick)

Product Code

A	B	C	D	E
477	xxxx	1	xx	4x0

B	Number of row 2845 Single row 3001 Double row
D	Number of contacts from 02 to 25 single row from 04 to 50 double row
E	Plating 0 Selective Gold plating 0.2 µm over Ni 4 Tin 4 µm 9 Selective Gold plating 0.8 µm over Ni



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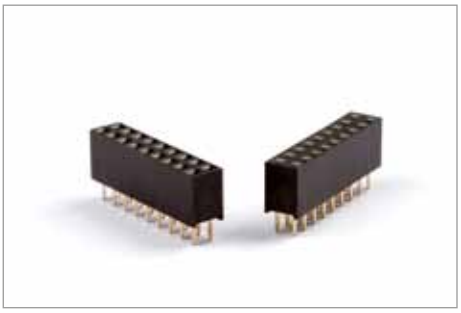
SOCKET
SOCKET CONNECTOR STRAIGHT 2.54 mm

MODUKON

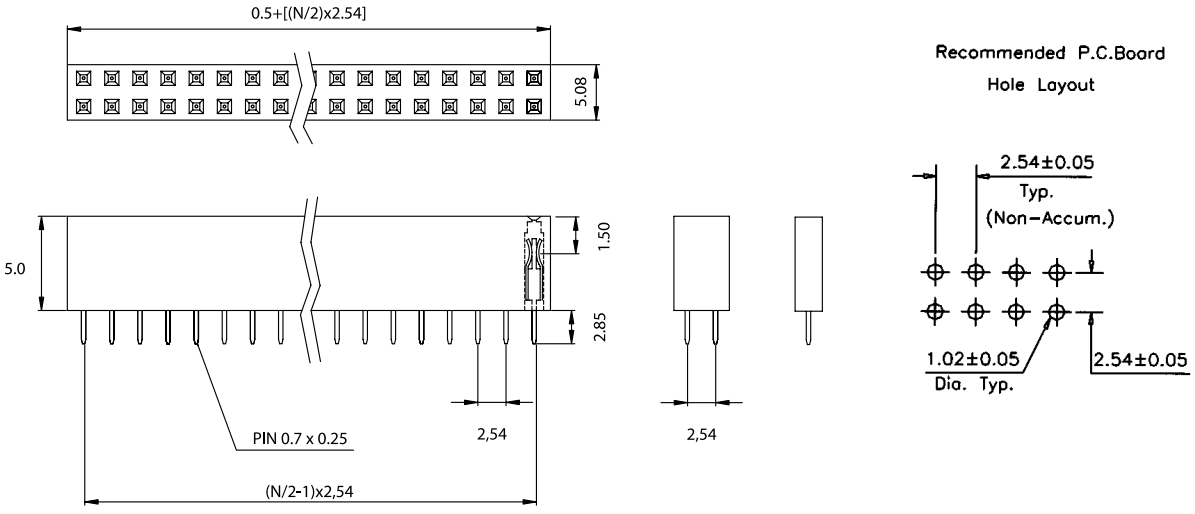


Features	Body height 5.0 mm
Material	Insulator: PA UL 94V0 Contact: Phosphor bronze
Electrical	Current rating 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
477	972x	1xx	4x0

B	Number of row 0 Single row 4 Double row
C	Number of contacts from 03 to 40 single row from 04 to 80
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash 6 Gold 0.75 µm



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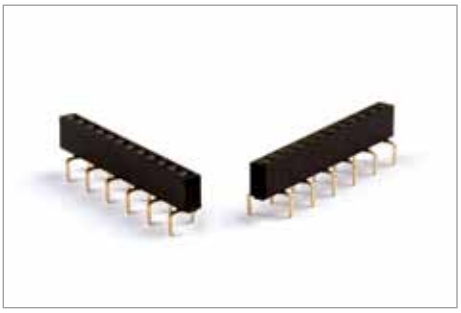
SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

MODUKON

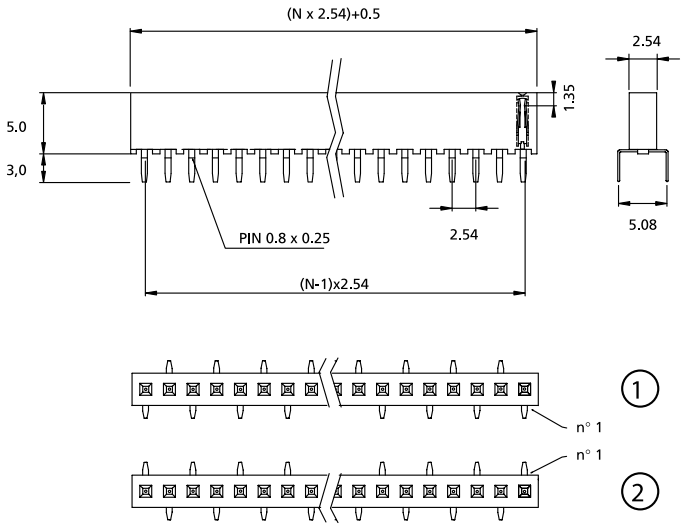


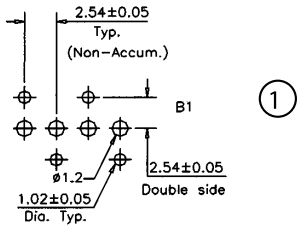
Features	Dual entry body height 5.0 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

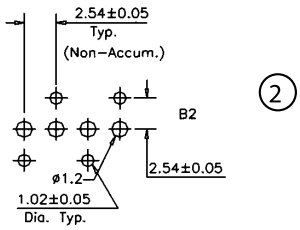
Product Code

A	B	C	D	E
477	9721	1xx	4x	x

C	Number of contacts from 03 to 30
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold
E	Position of the first pin (see below 1 or 2) 0 all pin on same side







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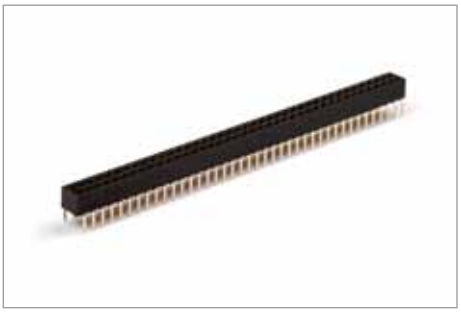
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

MODUKON



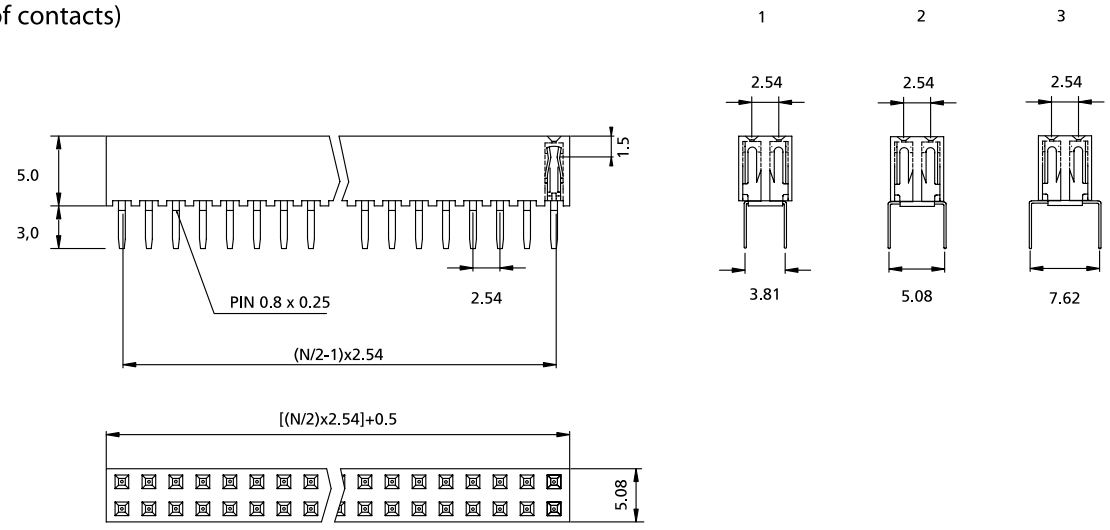
Features	Dual entry socket Body height 5.0 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphore bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E	F
477	9725	1	xx	4x	x

D	Number of contacts from 04 to 80
E	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold plating
F	Pitch between rows (type) 1 3.81 mm 2 5.08 mm 3 7.62 mm

(N= Number of contacts)



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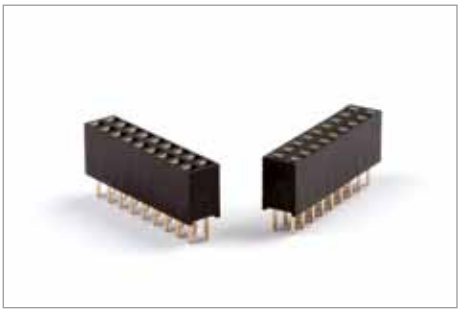
SOCKET
SOCKET CONNECTOR STRAIGHT 2.54 mm

MODUKON

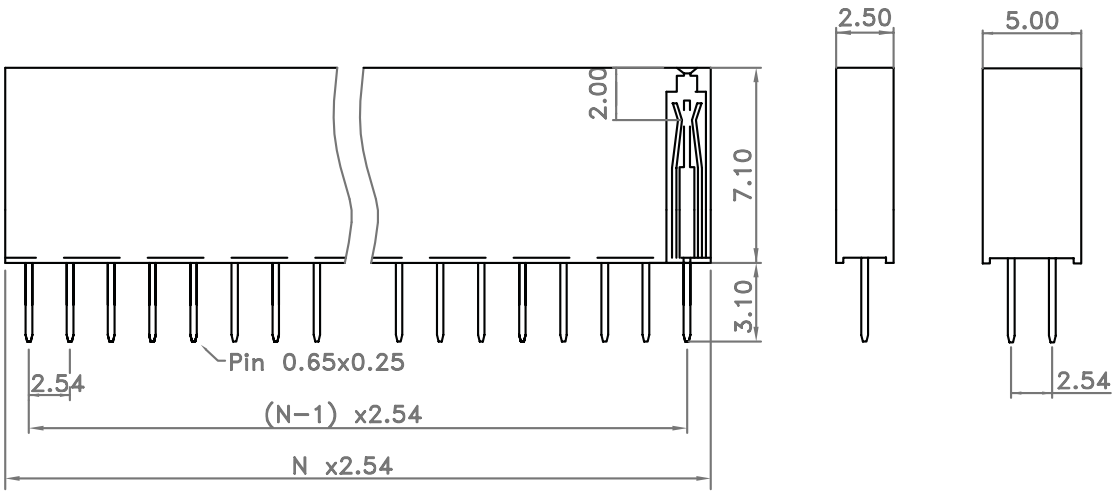


Features	Body height 7.1 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E
477	97xx	1	xx	4x0

B	Number of row 67 single row 70 double row
C	Number of contacts from 02 to 40 single row from 06 to 80 double row
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold 9 Gold 0.75 µm



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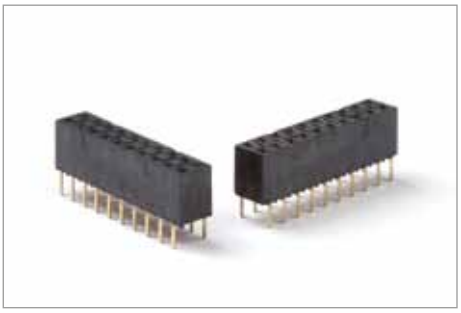
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

MODUKON

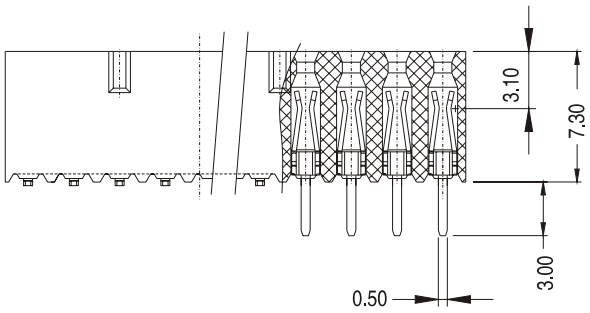


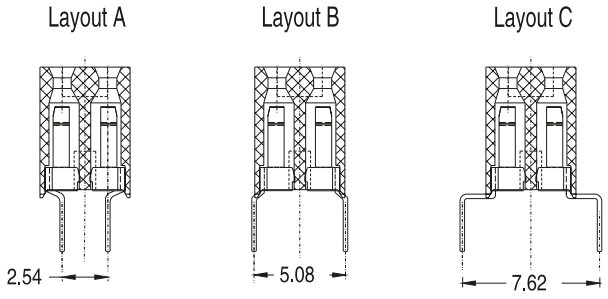
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

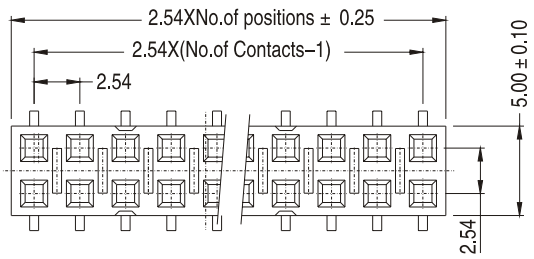
Product Code

A	B	C	D
477	823x	1xx	4x0

B	Layout 1: 2.54 mm 2: 5.08 mm 3: 7.62 mm
C	Number of contacts from 04 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash







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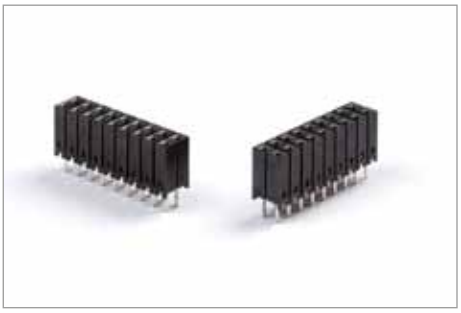
SOCKET
SOCKET CONNECTOR STRAIGHT 2.54 mm

MODUKON



Features Top entry modular connector
Pitch 2.54 mm

Material Insulator: LCP UL 94V0
Contact: Phosphor bronze

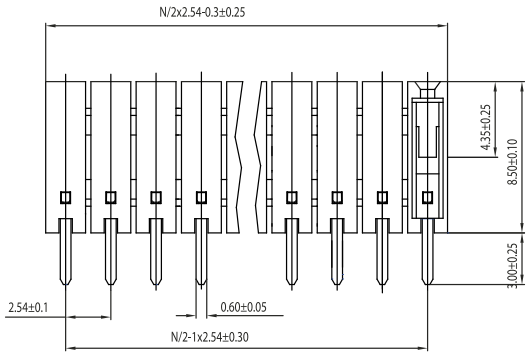
Electrical Current rating: 3A maxi
Dielectric withstanding: 500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 20 mΩ

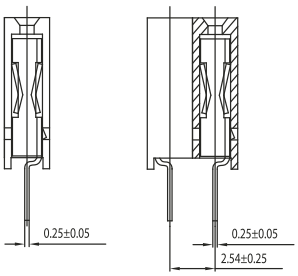
Mechanical Temperature rating: -40 °C to 105 °C

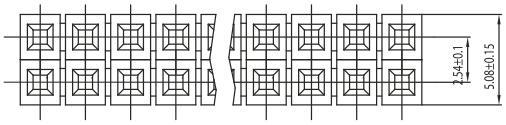
Product Code

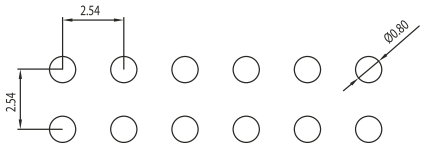
A	B	C	D
477	820x	1xx	4x0

B	Number of row 5 Single row 1 Double row
C	Number of contacts from 02 to 45 single row from 04 to 90 double row
D	Plating 4 Tin 7 Selective Gold over Ni









Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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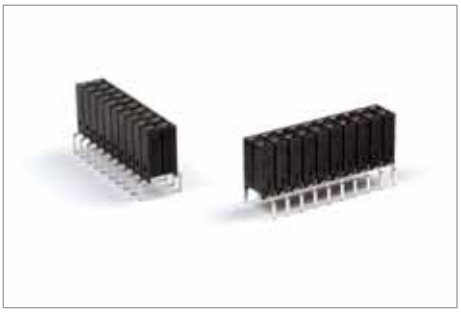
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

MODUKON

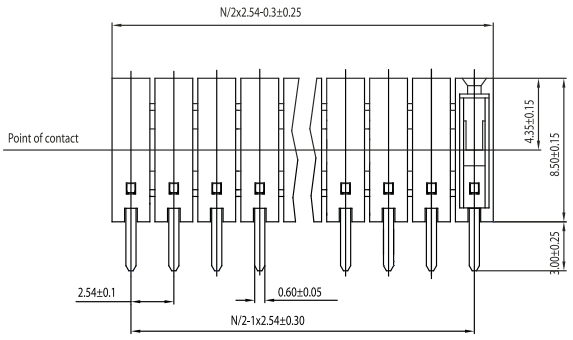


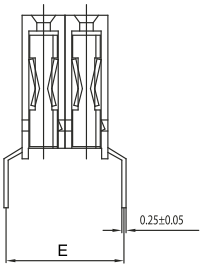
Features	Bottom entry
Material	Insulator: LCP UL 94 V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

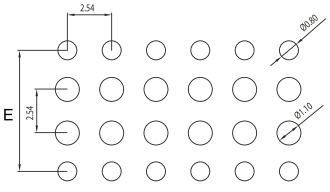
Product Code

A	B	C	D
477	820x	1xx	4x0

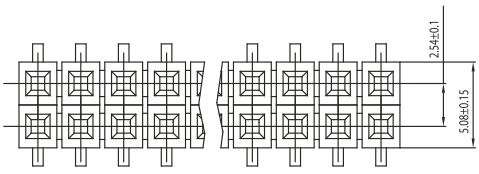
B	2: E = 5.71 mm 3: E = 6.5 mm 4: E = 7.62 mm
C	Number of contacts from 04 to 90
D	Plating 4 Tin 7 Selective Gold over Ni







Recommended PCB Layout
(PCB TOLERANCE ±0.05)



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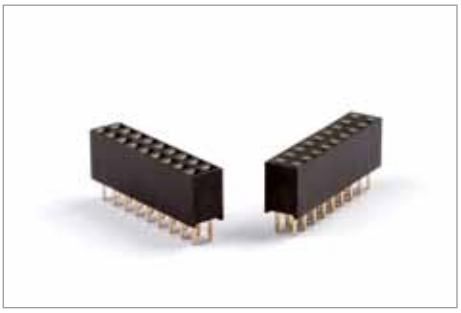
SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

MODUKON

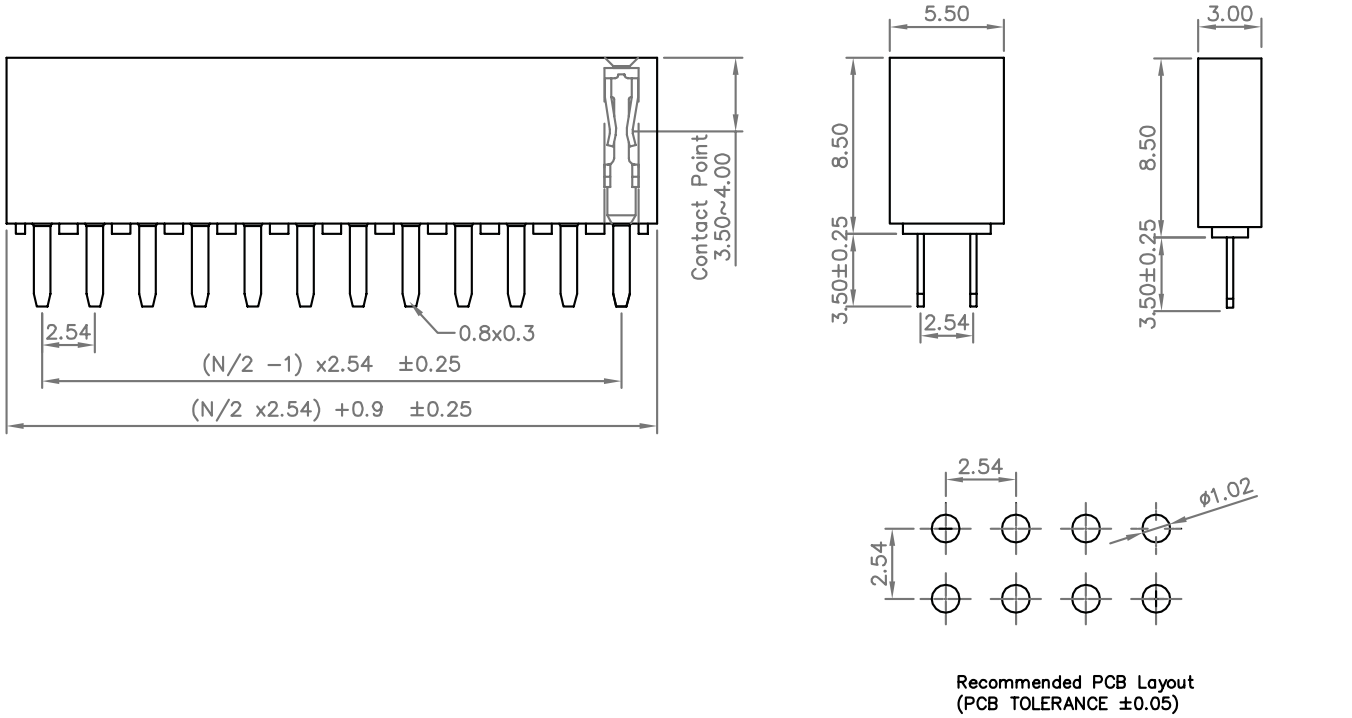


Features	Body height 8.5 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
477	97xx	1xx	4x0

B	Number of row 26 Single row 68 Double row
C	Number of contacts from 03 to 40 single row from 06 to 80 double row
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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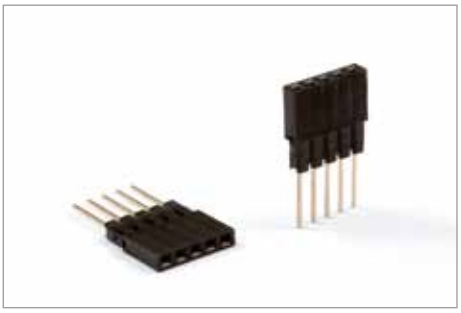
SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

MODUKON



Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

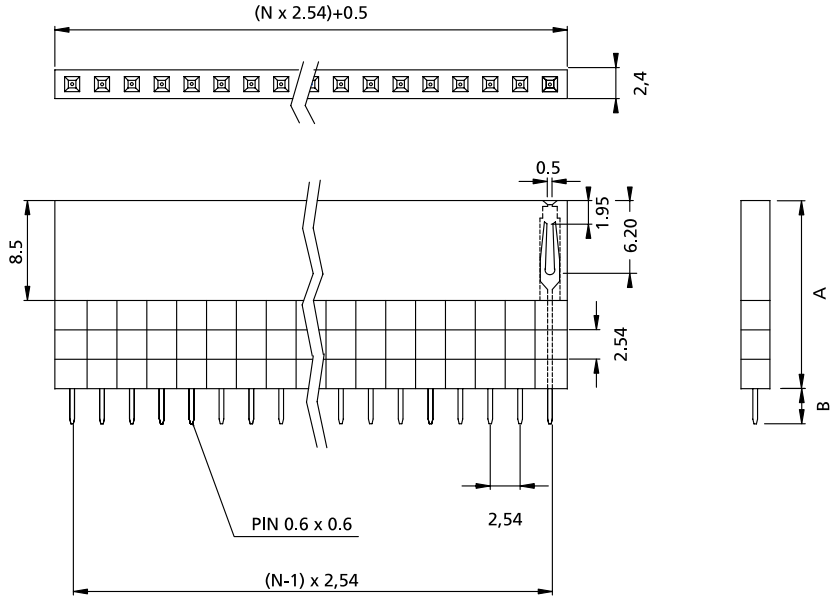
Product Code

A	B	C	D	E
401	9718	1xx	4x	x

C	Number of contacts from 02 to 40
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold
E	Options for foot lenght and plastic height: see table.

x	A	B
1	11.05	2.50
2	11.05	7.35
3	13.59	4.85
4	16.13	2.30
5	11.05	12.20
6	13.59	9.65
7	16.13	7.10
8	18.67	4.60

(N= Number of contacts)



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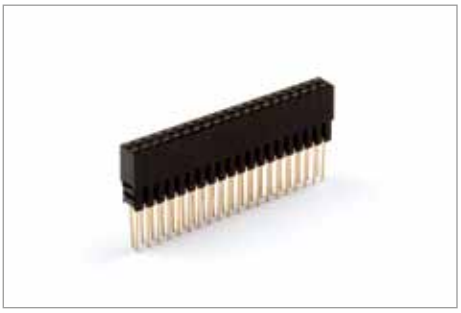
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

MODUKON



Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

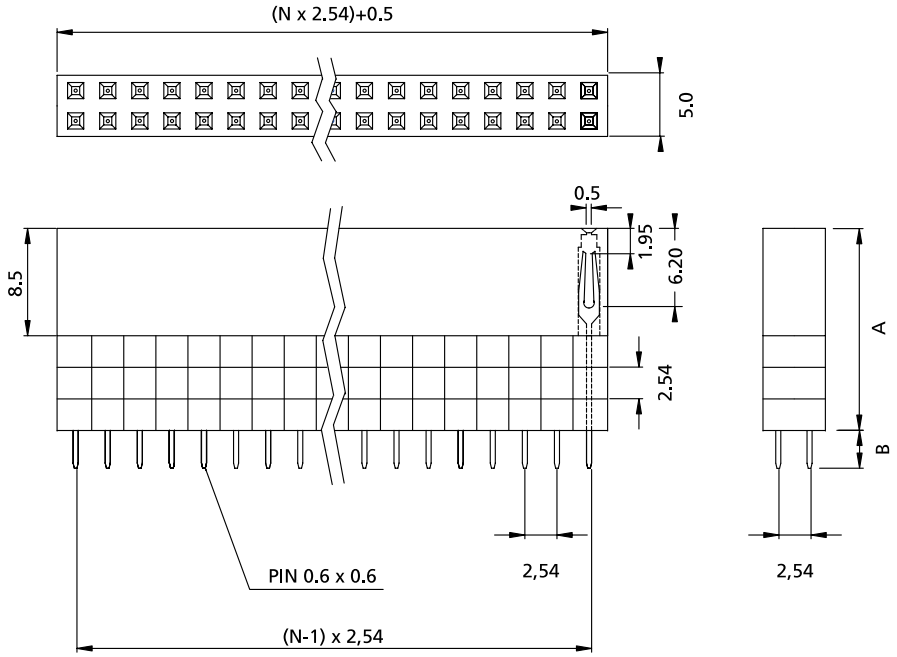
Product Code

A	B	C	D	E	F
477	9723	1	xx	4x	x

D	Number of contacts from 04 to 80
E	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold
F	Options for foot lenght and plastic height: see table

x	A	B
1	11.00	2.30
2	11.00	7.35
3	13.50	4.85
4	16.10	2.30
5	11.00	12.20
6	13.50	9.65
7	16.10	7.10

(N= Number of contacts)



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

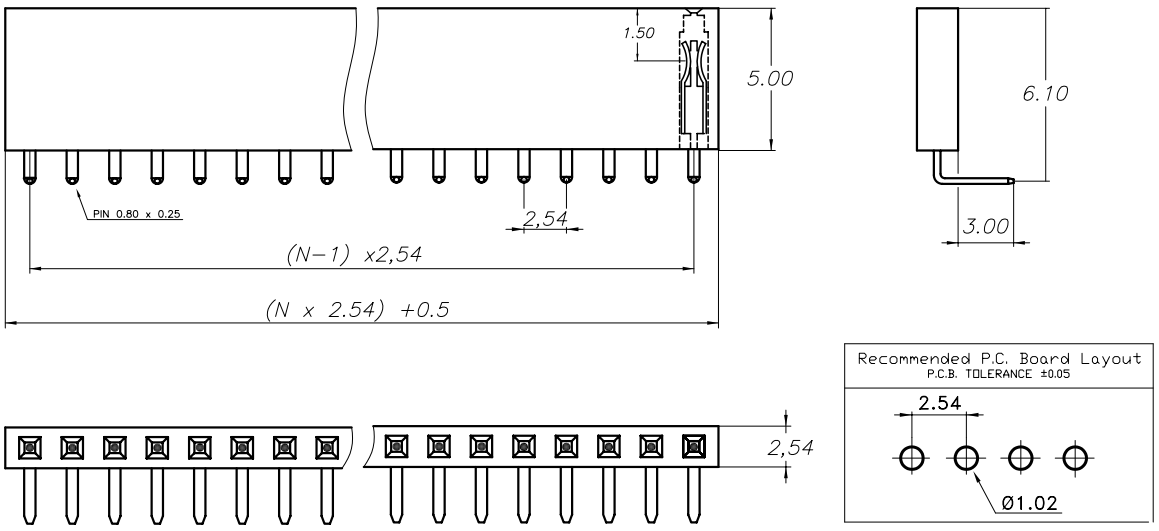
MODUKON

Features	Body height 2.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating 3A maxi Dielectric withstanding: 1000 V Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
477	9719	1xx	4x0

C	Number of contacts from 03 to 40
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash 6 Gold 0.75 µm



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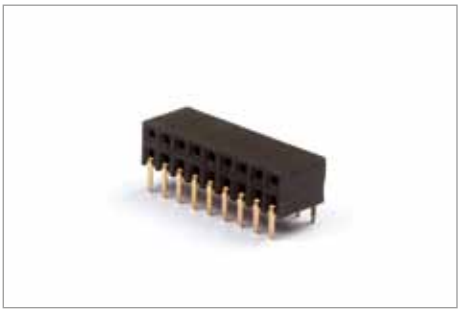
SOCKET
SOCKET CONNECTOR RIGHT ANGLE 2.54 mm

MODUKON

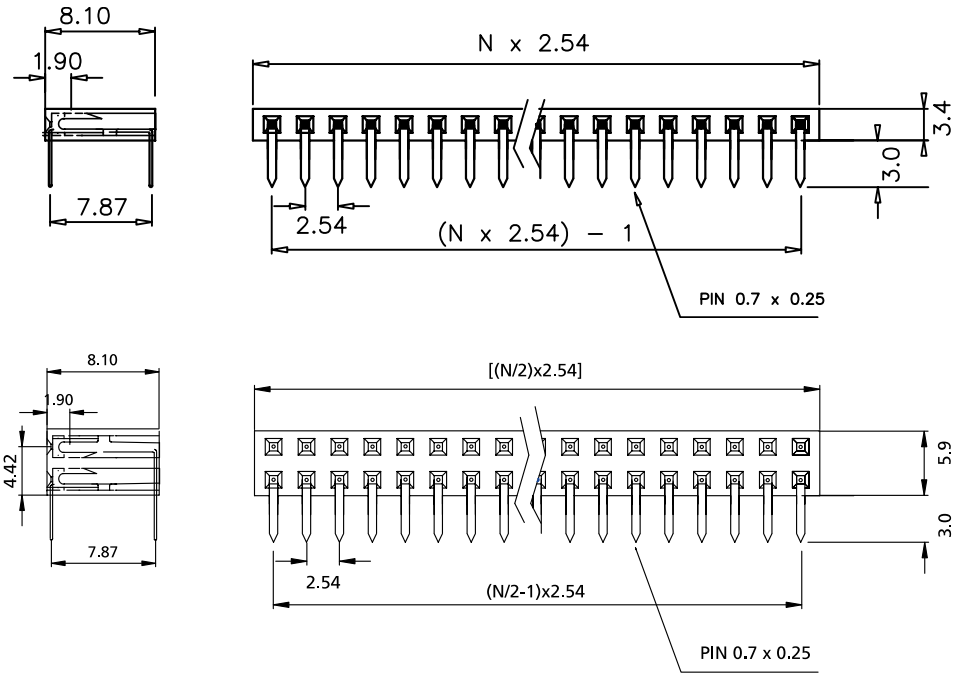


Features	Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D
477	97xx	1xx	4x0

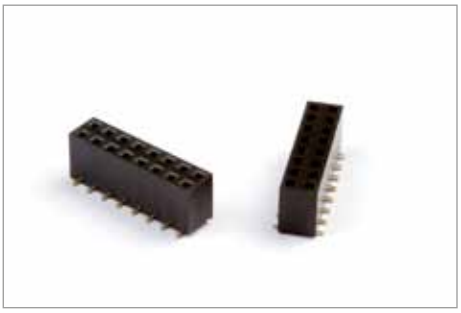
B	Number of row 17 Single row 22 Double row
C	Number of contacts from 02 to 40 single row from 04 to 80 double row
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2.54 mm

MODUKON SMT

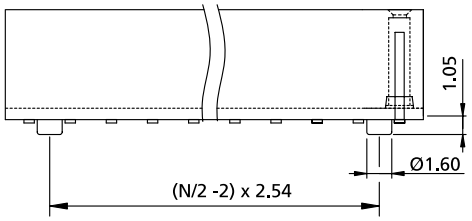


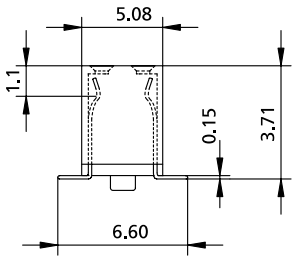
Features	Dual entry socket Body height 3.7 mm
Material	Insulator Material: High temperature thermoplastic Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Tube, box or T&R

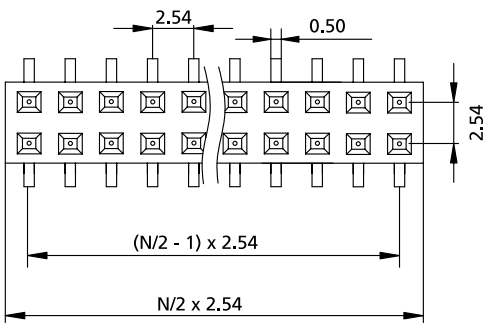
Product Code

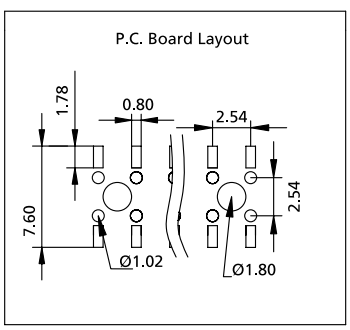
A	B	C	D	E	F
677	9797	1xx	4x	x	-x

C	Number of contacts from 04 to 80
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold
E	Locating peg 0 without 1 with Only selective gold plating available
	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap









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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2.54 mm

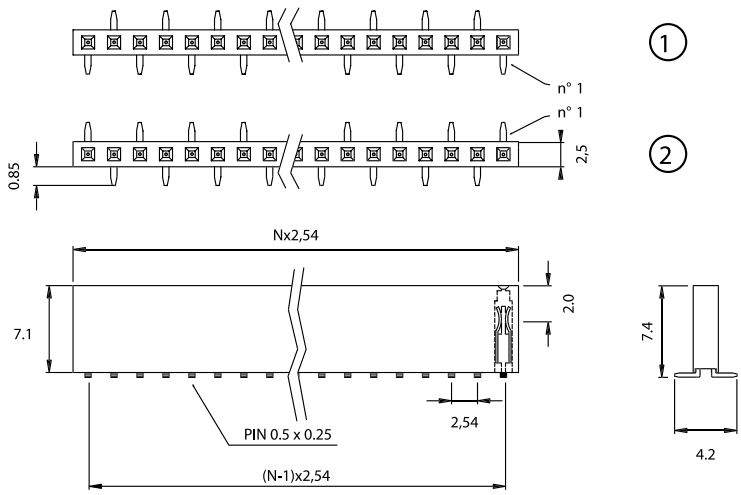
MODUKON SMT

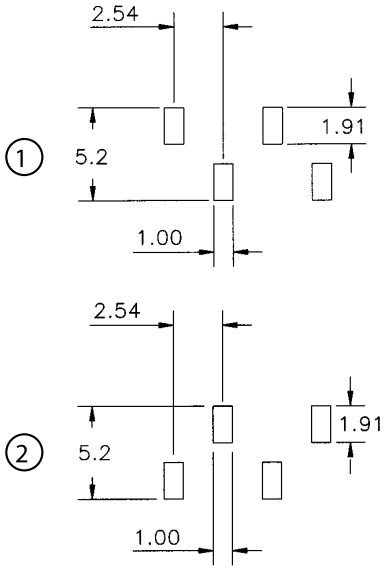
Features	Body height 7.1 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code

A	B	C	D	E	F
677	9753	1xx	4x	x	-x

(N= Number
of contacts)





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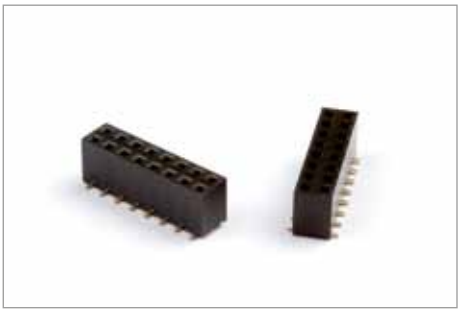
SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2.54 mm

MODUKON SMT

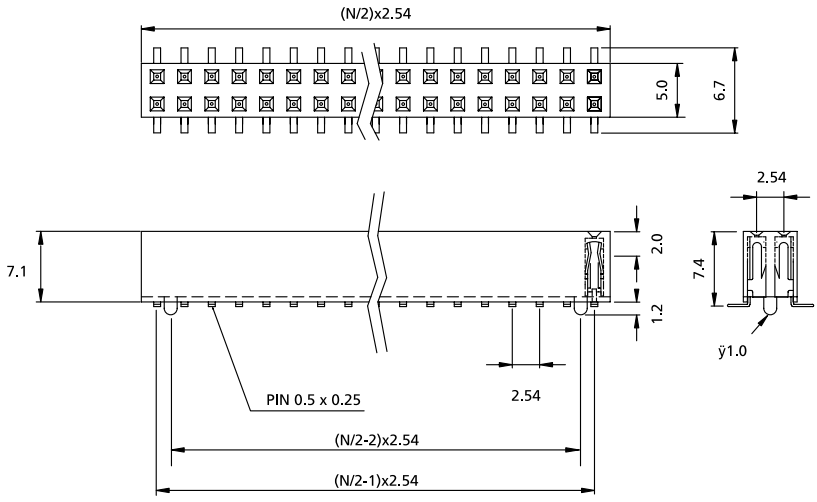


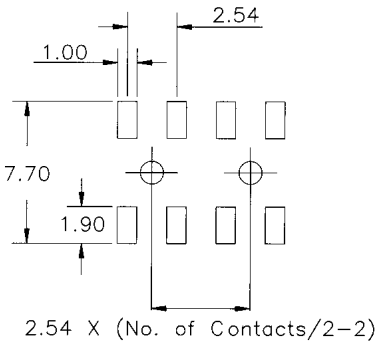
Features	Dual entry socket Body height 7.1 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code

A	B	C	D	E	F
677	9754	1xx	4x	x	-x

C	Number of contacts from 03 to 40
D	Plating 1 Gold flash 4 Tin 7 Selective gold
E	Alignment pin 0 without 1 with
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap





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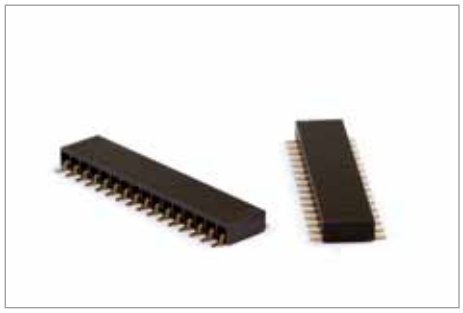
SOCKET
SOCKET CONNECTOR RIGHT ANGLE SINGLE ROW SMT 2.54 mm

MODUKON SMT

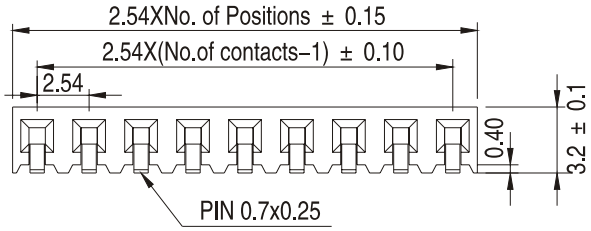


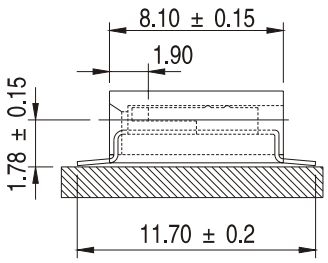
Features	Body height 3.2 mm
Material	Housing: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

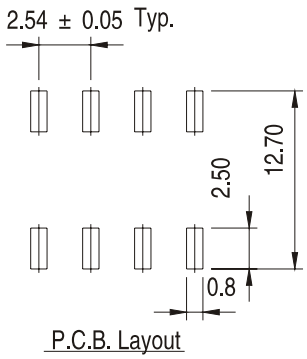
Product Code

A	B	C	D	E
677	8334	1xx	4x0	-x

C	Number of contacts from 02 to 40
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	T: tube TC: Tube + Cap RC: Tape & Reel + Cap







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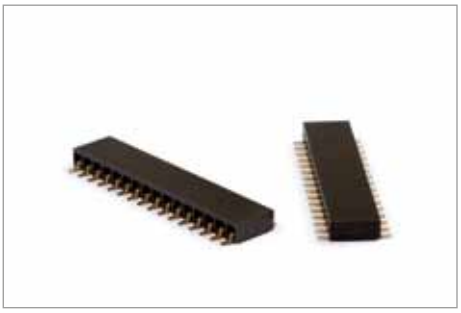
SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW SMT 2.54mm

MODUKON SMT

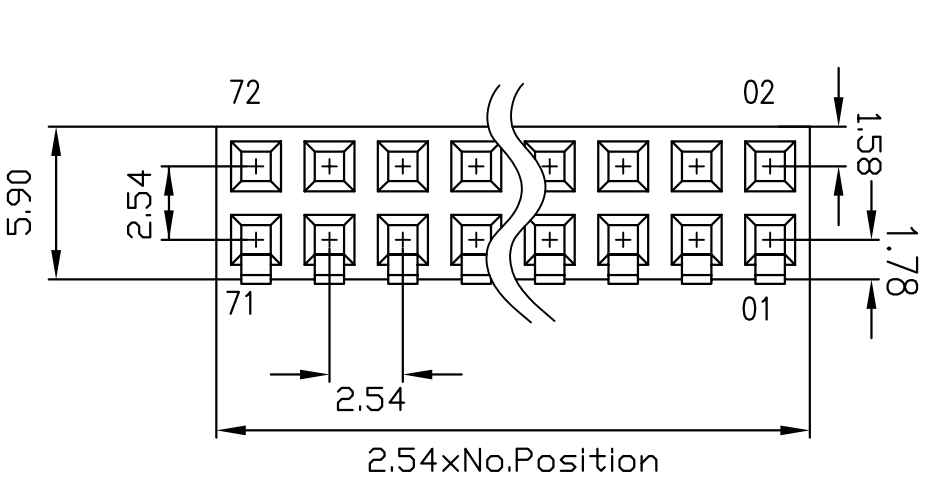


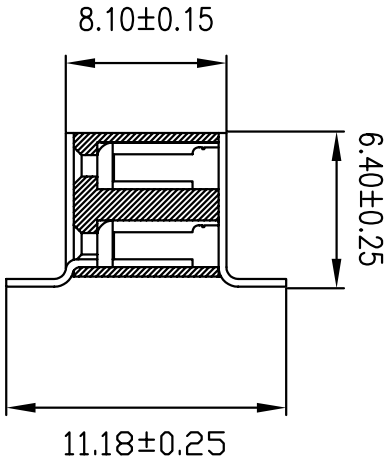
Material	Housing: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube and T&R

Product Code

A	B	C	D	E
677	8309	1xx	4x0	-x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap





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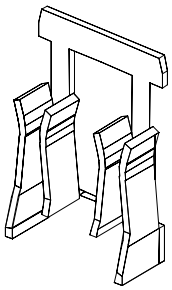
INSULATED JUMPERS

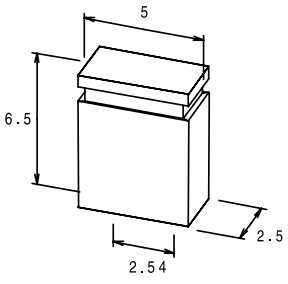
Features	Colour Coded
Material	Housing: Polyester GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D	E
313	xxxx	000	4x	x

B	1730 Closed jumper 1731 Open jumper 2274 Tabs jumper
D	Plating 0 Selective Gold plating 0.2 µm over Ni 1.27 µm 4 Tin plating 4 µm over Ni 1.27 µm Other plating upon request.
E	Colour 0 Black 2 Red 6 Blue





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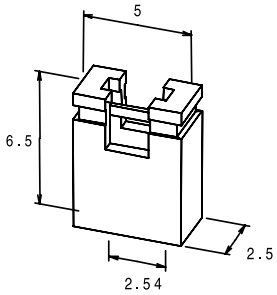

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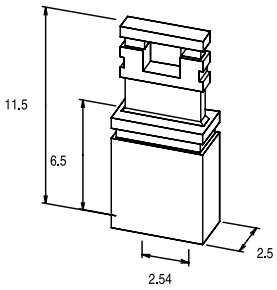

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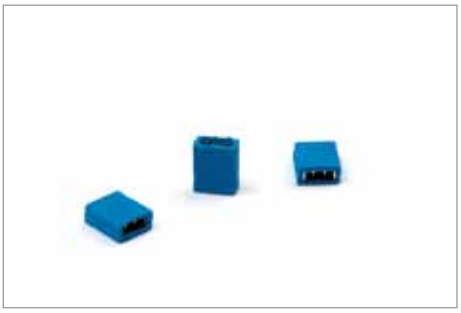
INSULATED JUMPERS

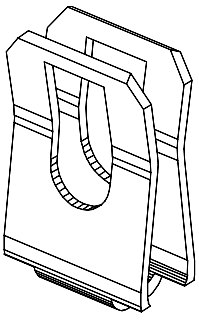


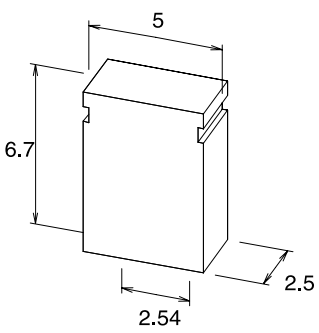
Features	Colour Coded
Material	Housing: Polyester GF UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D	E
313	0946	000	4 0	x

B	0946 Closed jumper
D	Plating 0 Selective Gold plating 0.8 µm over Ni 1.27 µm
E	Colour 0 Black 2 Red 6 Blue





31309460004xx

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INSULATED JUMPERS

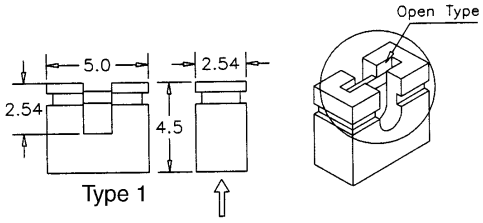
Material	Insulator: Black polyester PBT UL 94V0 Contact: Copper alloy Plating: Gold flash
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

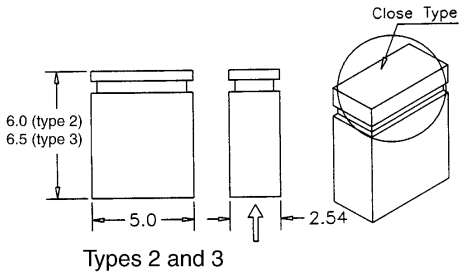
Product Code

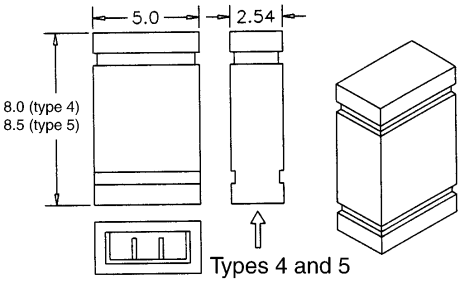
A	B	C	D
313	976x	000	41x

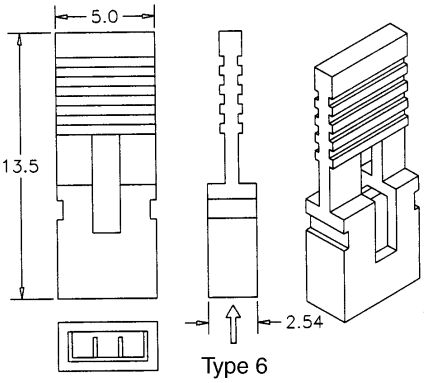
B	Type 1 Height 4.5mm open type 2 Height 6.0mm open type 3 Height 6.5mm close type 4 Height 8.0mm open type 5 Height 8.5mm close type 6 Height 13.5mm open type
D	Color 0 Black (all types) 2 Red (types 1,2,3 and 6) 4 Yellow (types 1,2,3 and 6) 5 Green (types 2 and 3) 6 Blue (types 1,2,3 and 6) 9 White (all types)

DRAWING AVAILABLE UPON REQUEST









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INSULATED JUMPERS

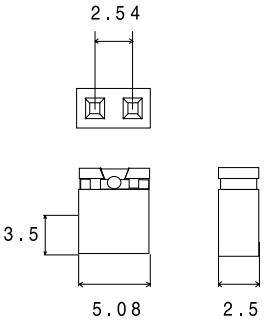
Features	Quick and easy handling in strips Highly reliable twin leaf contact Easy insertion: tapered entry
Material	Housing: Black Glass filled polyester UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ Maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Plastic tubes or cardboard boxes

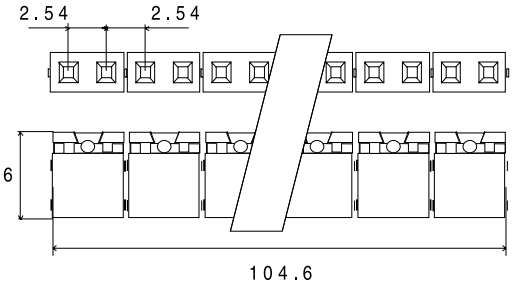
Product Code

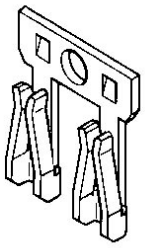
A	B	C	D	E	F
313	2512	0xx	4	x	x

C	Packaging 01 by Units in box 20 In strips of 20 shunts
E	Plating 4 *Tin plating 4 µm over Ni 1.27 µm 7 Selective Gold plating 0.2 µm over Ni 8 Selective Gold plating 0.4 µm over Ni 9 Selective Gold plating 0.8 µm over Ni
F	Colour 0 Black 2 Red 6 Blue

(N= Number of contacts)







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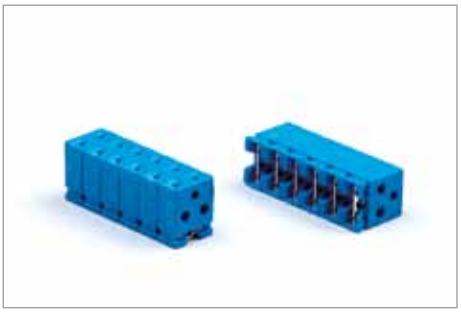
INSULATED JUMPERS



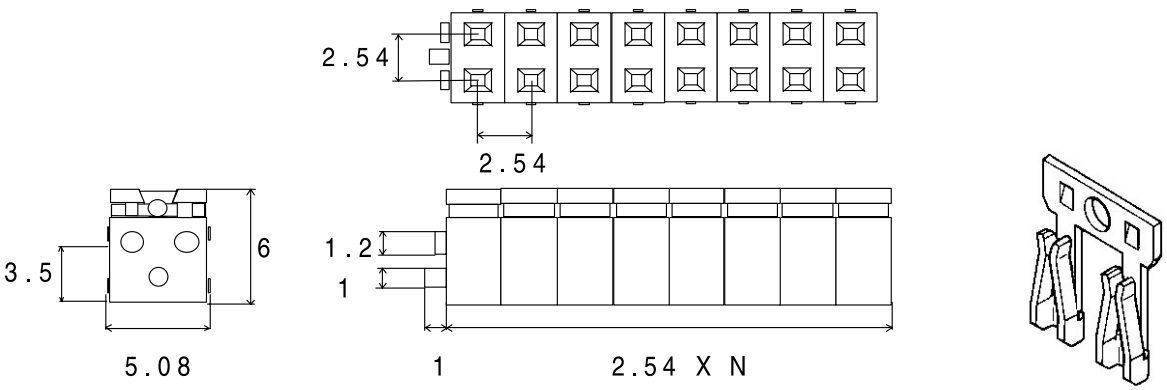
Features	Quick and easy handling in strips Highly reliable twin leaf contact Easy insertion: tapered entry
Material	Housing: Black Glass filled polyester UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ Maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Plastic tubes or cardboard boxes

Product Code

A	B	C	D	E
313	2769	0xx	4x	x

C	Number of positions from 02 to 10
D	Plating 4 *Tin plating 4 µm over Ni 1.27 µm 7 Selective Gold plating 0.2 µm over Ni 1.27 µm 9 0.8 µm over Ni 1.27 µm
E	Colour 0 Black 2 Red 6 Blue

(N= Number of contacts)



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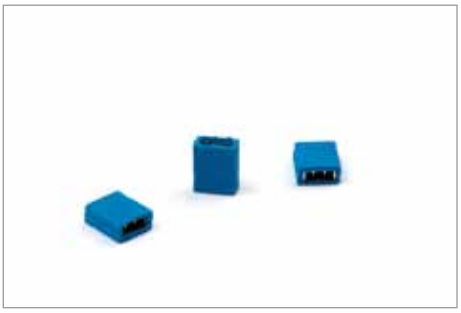
INSULATED JUMPERS

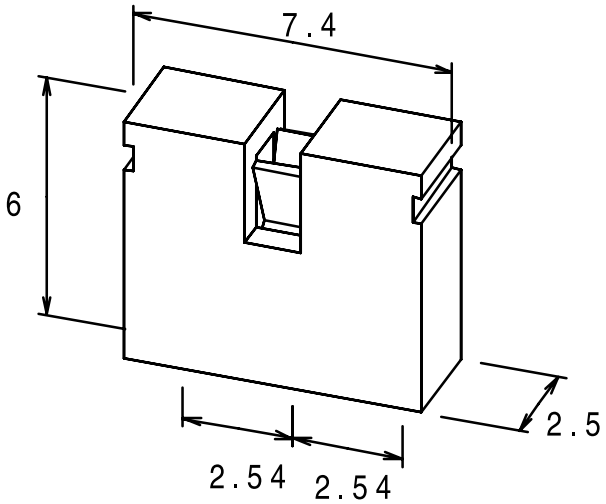


Features	Pitch 5.08 mm Colour Coded
Material	Insulator: Polyester GF UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ Maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D	E	F
313	1493	000	4	x	8

C	Plating 0 Selective 0.35 µm over Nickel 1.27 µm 3 Tin 5 µm over Ni 1.27 µm Glass filled Polyester UL 94 V1 grey



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BOARD TO BOARD CONNECTION
PITCH 3.96 mm

Note:

PLATING standard version
Gold 0.25 µm
Gold Flash
Tin

PLATING upon request
Selective Gold Flash
Selective Gold

Packing standard version
Box
Tube

Packing upon request
T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 3.96 mm

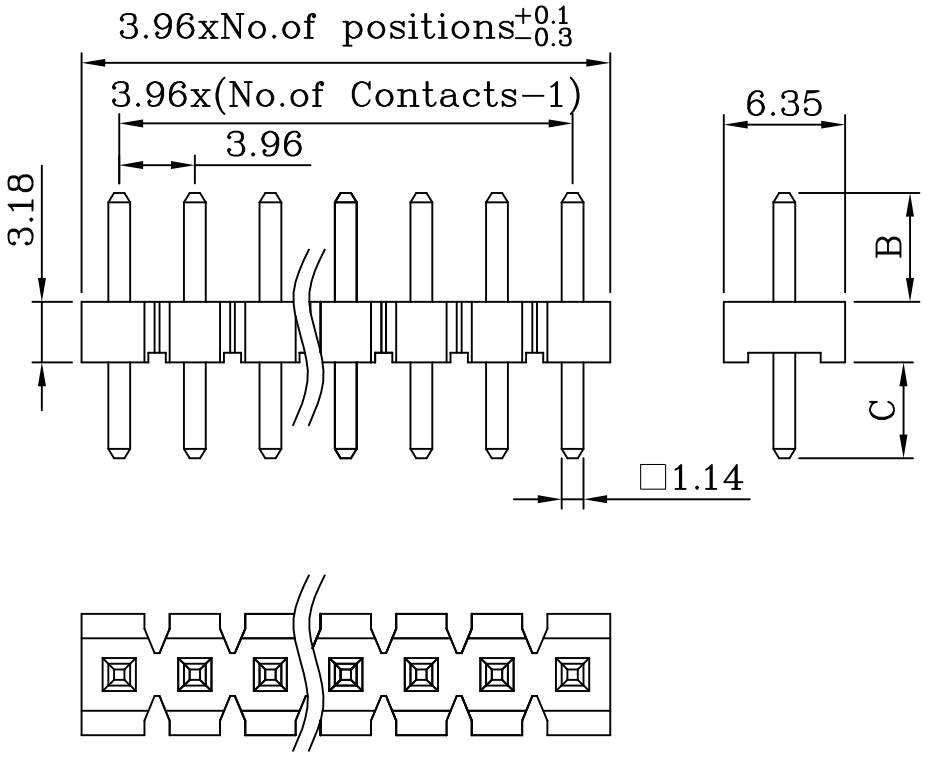
INTERCOM

Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30° C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

Product Code

A	B	C	D
471	822x	8xx	4x0

B	1: B=11.43mm C=4.44mm 2: B=12.70mm C=4.44mm
C	Number of contacts from 02 to 24
D	1 Gold flash 4 Tin



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MALE HEADER
MALE HEADER RIGHT ANGLE 3.96 mm

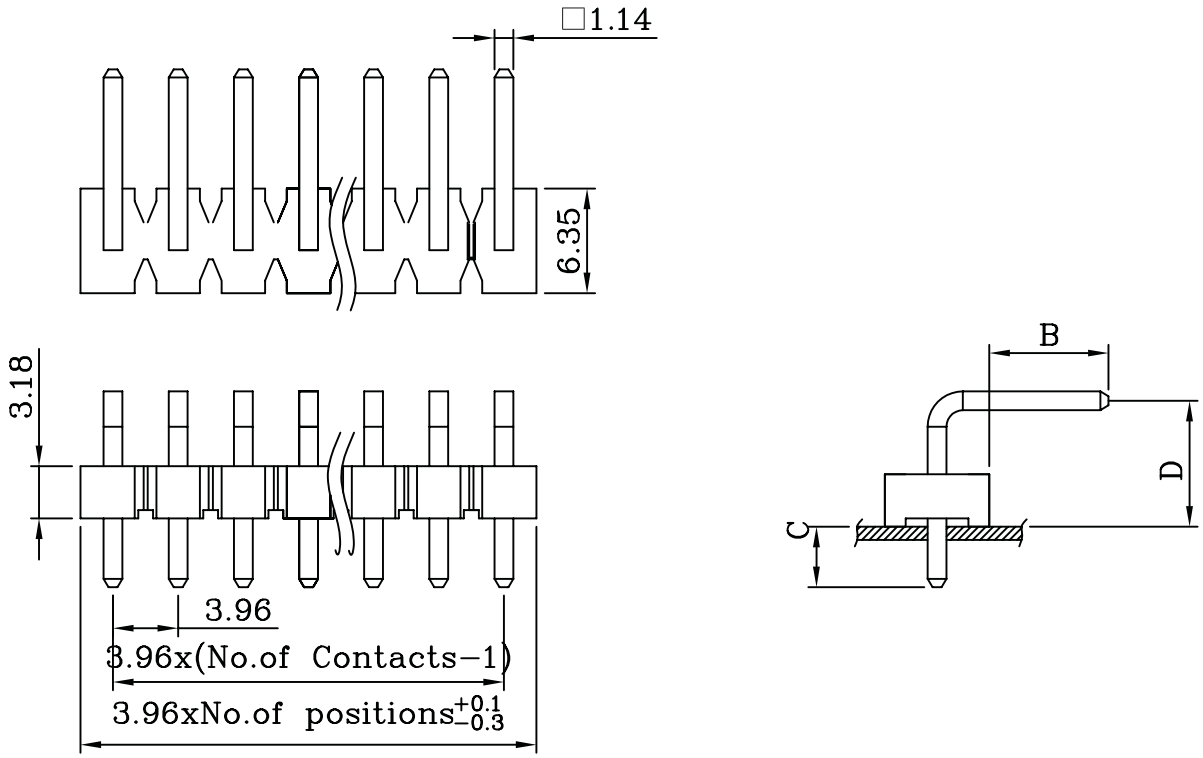
INTERCOM

Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

Product Code

A	B	C	D
472	820x	8xx	4x0

B	5: B=11.43mm C=3.81mm D=6.29mm 6: B=12.70mm C=3.81mm D=7.56mm
C	Number of contacts from 02 to 24
D	1 Gold flash 4 Tin



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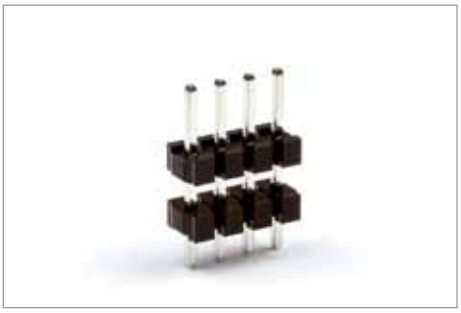
MALE HEADER
MALE HEADER DOUBLE BASE 3.96 mm

INTERCOM

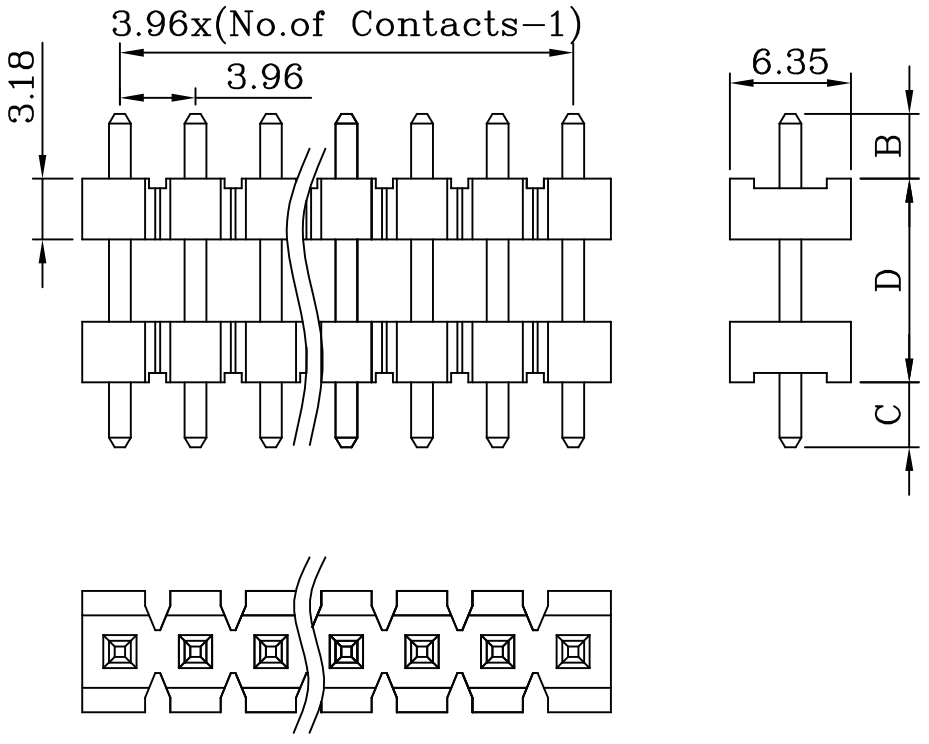


Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

Product Code

A	B	C	D
468	821x	8xx	4x0

B	7: B=11.43 mm C=4.44mm D=8.35 mm 8: B=12.70 mm C=4.44mm D=8.35 mm
C	Number of contacts from 02 to 24
D	1 Gold flash 4 Tin



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MALE HEADER
MALE HEADER STRAIGHT SMT 3.96 mm

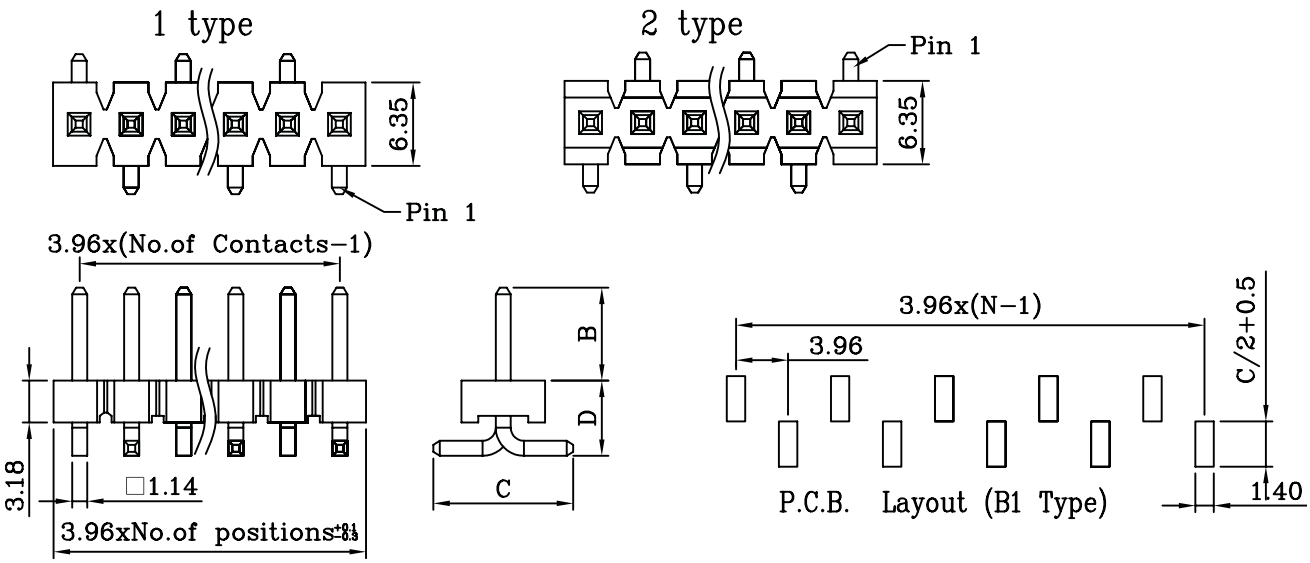
INTERCOM SMT

Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code

A	B	C	D	E	F
671	821x	8xx	4x	x	-x

B	3: B=3.81mm C=8.39 mm 4: B=12.7mm C=8.39 mm
C	Number of contacts from 01 to 24
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER DOUBLE BASE 3.96 mm

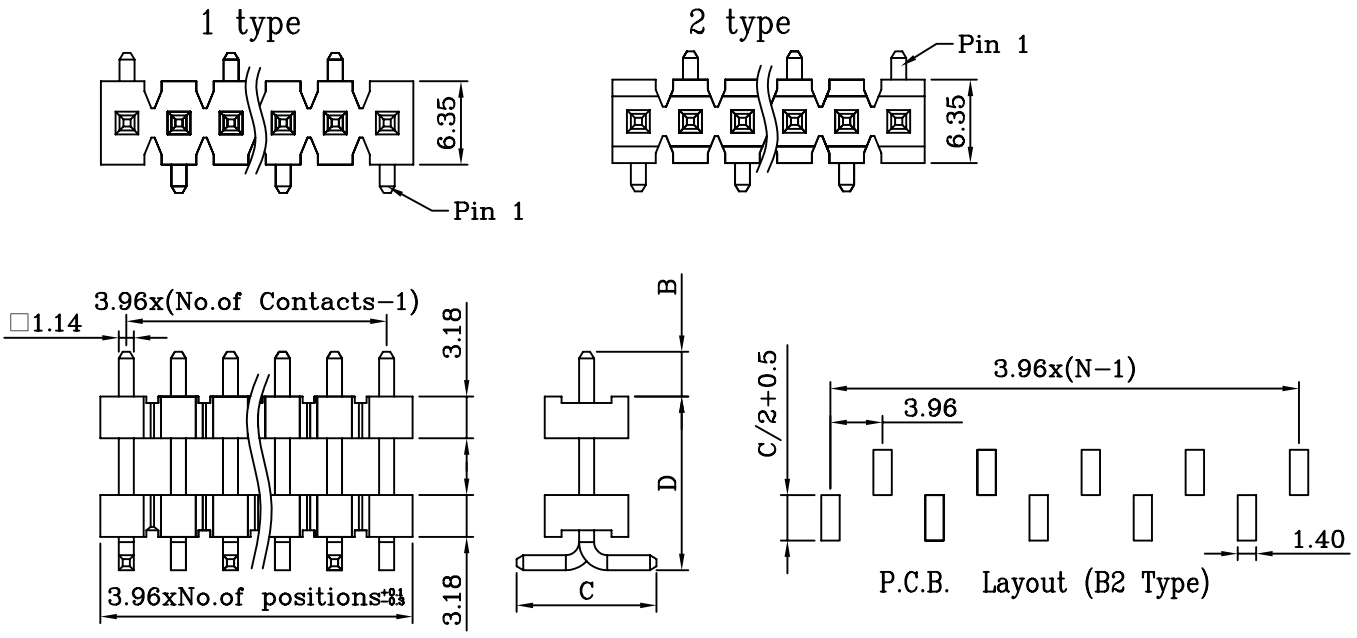
INTERCOM SMT

Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code

A	B	C	D	E	F
668	821x	8xx	4x	x	-x

B	1: B=3.81 mm C=8.39 mm D=9.5 mm 2: B=12.7 mm C=8.39 mm D=9.5 mm
C	Number of contacts from 01 to 24
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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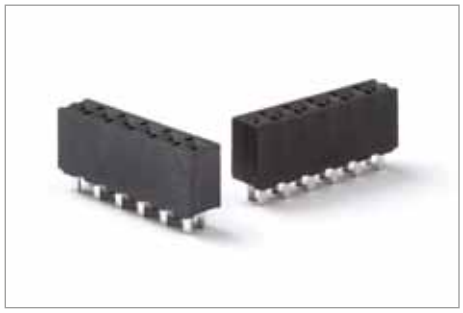
SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 3.96 mm

INTERCOM

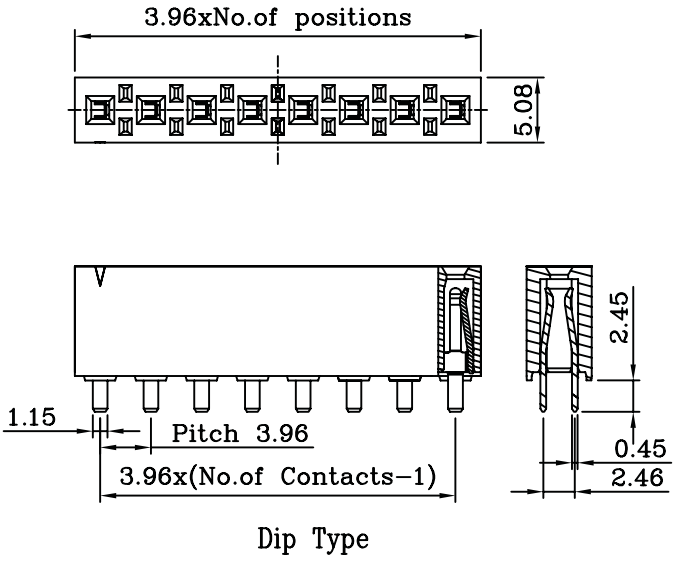


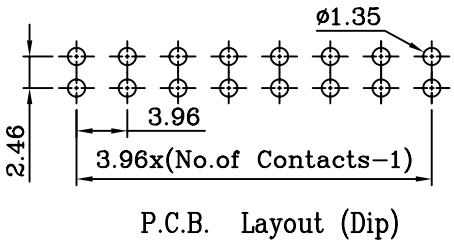
Features	Pitch 3.96 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper Alloy
Electrical	Current rating: 8.2 A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code

A	B	C	D
477	8219	8xx	4x0

B	Number of contacts from 02 to 24
C	1 Gold flash 4 Tin





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MALE HEADER
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 3.96 mm

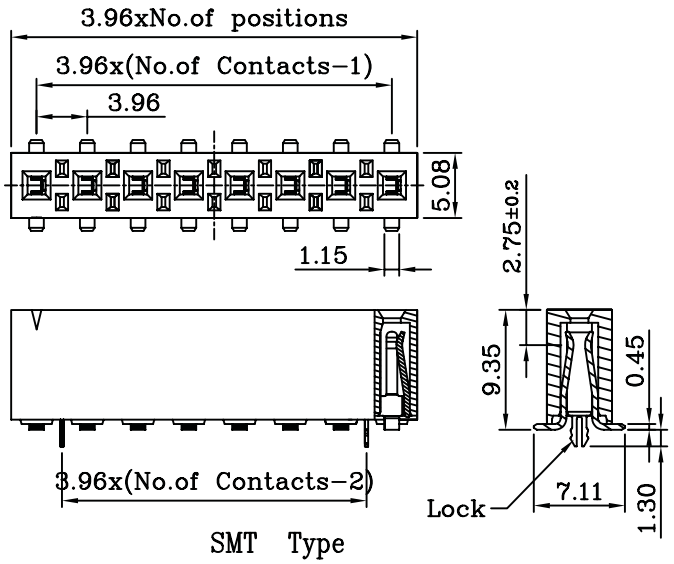
INTERCOM SMT

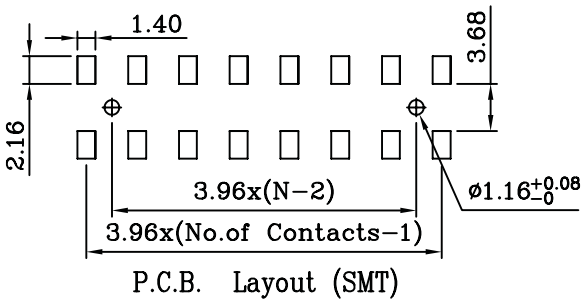
Features	Pitch 3.96 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper Alloy
Electrical	Current rating: 8.2 A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code

A	B	C	D	E	F
677	8222	8xx	4x	x	-x

C	Number of contacts from 02 to 24
D	1 Gold flash 4 Tin
E	0: Without locking peg 1: With locking peg
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap





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BOARD TO BOARD CONNECTION
PITCH 5.08 mm

Note:

PLATING standard version

Gold 0.25 µm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 5.08 mm

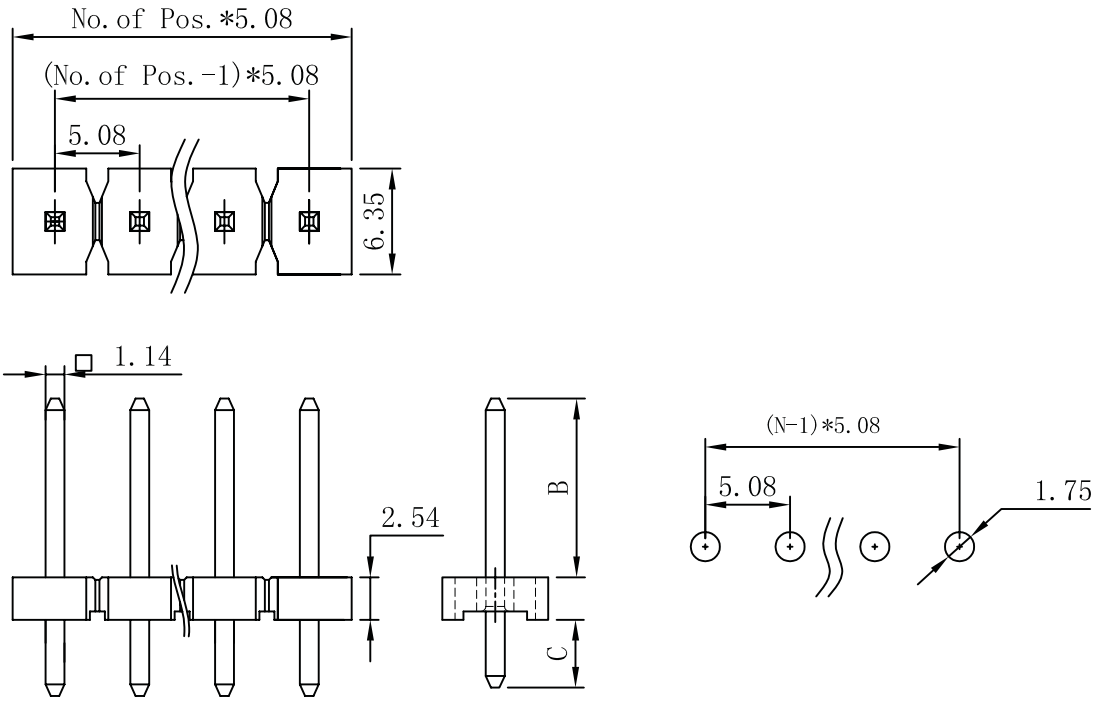
INTERCOM

Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code

A	B	C	D
471	824x	2xx	4x0

B	1: B=11.94mm C=4.57 2: B=13.21mm C=4.57
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin



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MALE HEADER
MALE HEADER STRAIGHT 5.08 mm

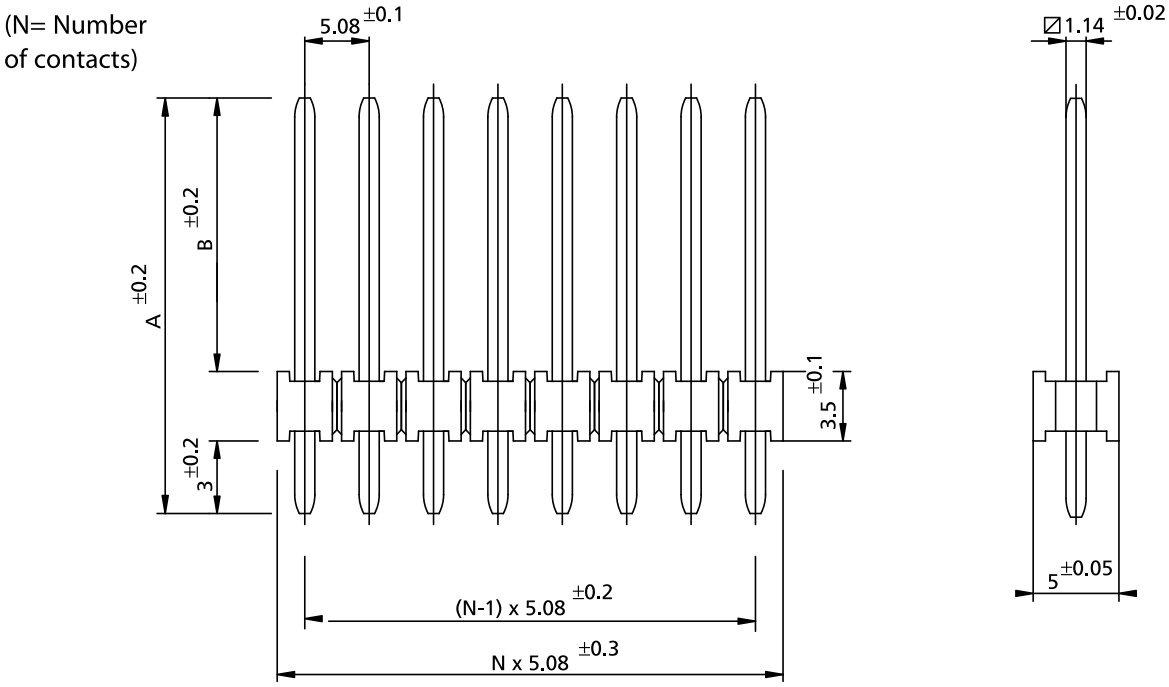
INTERCOM

Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 6 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Box

Product Code			
A	B	C	D
471	0xxx	2xx	4x0

B	Version (see table)
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

L pin	B	Connector code
16.5	10.00	2420
17.2	10.70	0002
19.5	12.55	0003
23	16.50	0004
28.5	22.00	0005
30.4	23.90	2421
40	33.50	0007



"Due to technical progress, all design, specification and components are subject to change without notice".

MALE HEADER
MALE HEADER RIGHT ANGLE 5.08 mm

INTERCOM

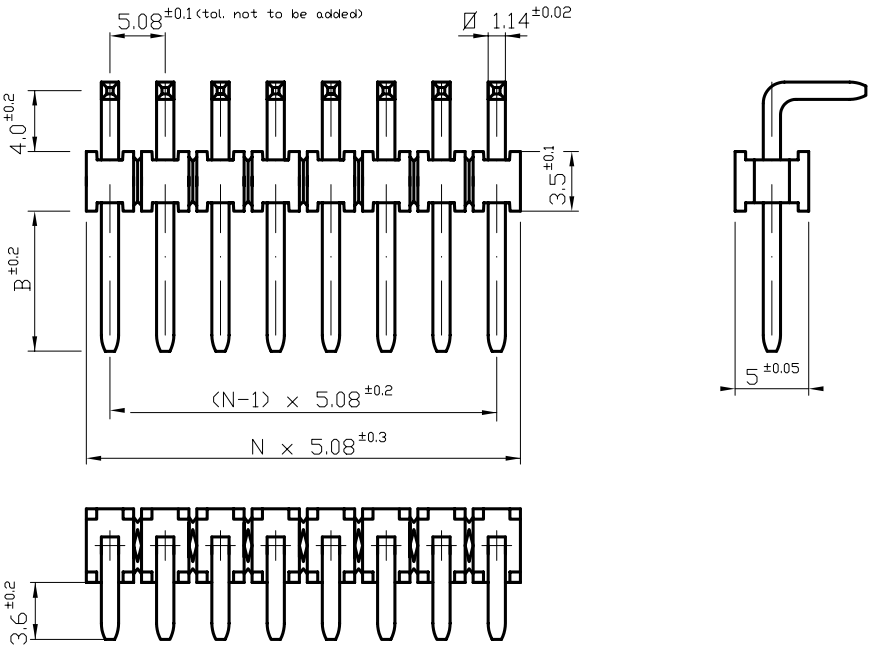
Features	Breakable header
Material	Insulator: Black glass filled polyester UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 6 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Box

Product Code

A	B	C	D	E
472	xxxx	2	xx	4x0

B	Version (see table)
D	Number of contacts per strip from 02 to 14
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

L pin	B	Connector code
16.5	3.80	0001
17.2	4.50	0002
19.5	6.35	0003
23	10.30	0004
28.5	15.80	0005
30.4	17.70	0006
40	27.30	0007



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MALE HEADER
MALE HEADER RIGHT ANGLE 5.08 mm

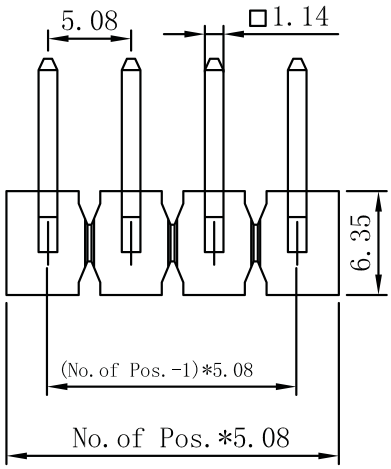
INTERCOM

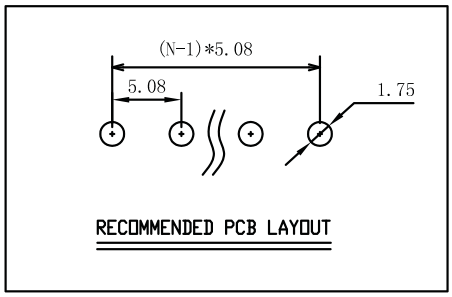
Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

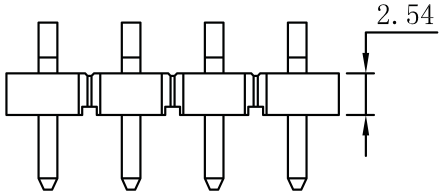
Product Code

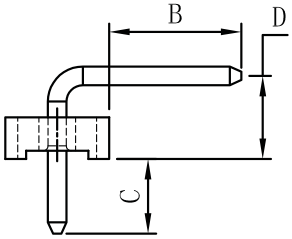
A	B	C	D
472	82xx	2xx	4x0

B	32: B=8.08 mm C=4.57 mm D=7.62 mm 33: B=13.82 mm C=3.96 mm D=7.62 mm
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin









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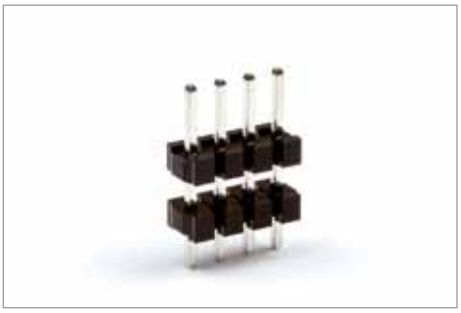
MALE HEADER
MALE HEADER DOUBLE BASE 5.08 mm

INTERCOM

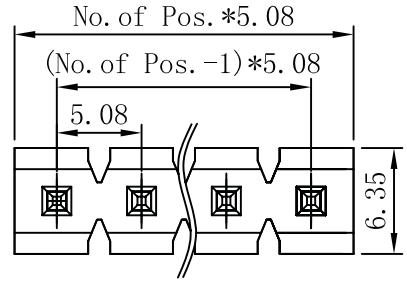


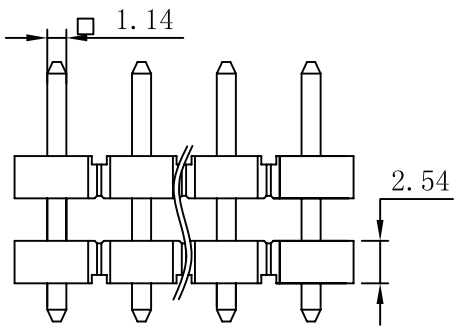
Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

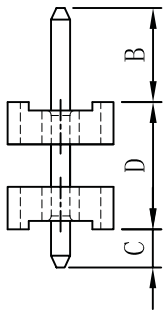
Product Code

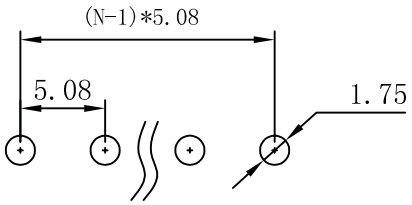
A	B	C	D
468	8231	2xx	4x0

B	B= 6.86 mm C=2.29 mm D=7.62 mm
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin









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MALE HEADER
MALE HEADER STRAIGHT SMT 5.08 mm

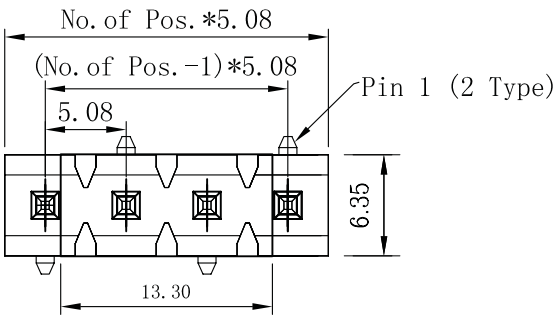
INTERCOM SMT

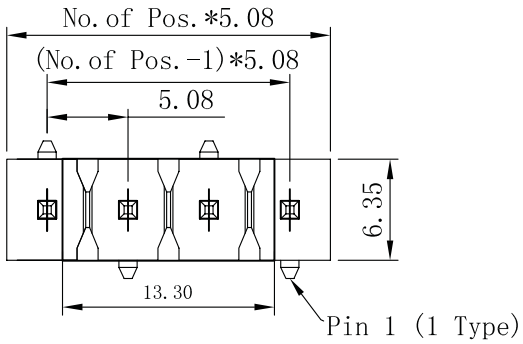
Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

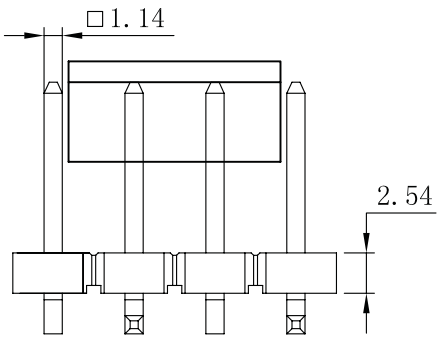
Product Code

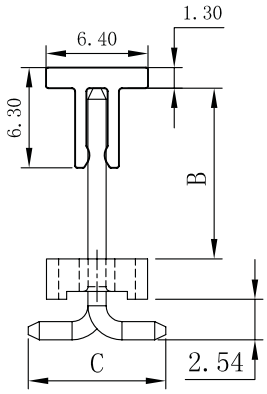
A	B	C	D	E	F
671	82xx	2xx	4x	x	-x

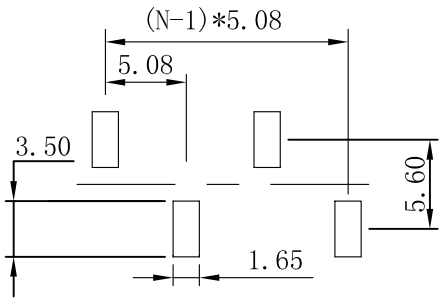
B	34: B=10.72 mm C=8.68 mm 35: B=12.24 mm C=8.38 mm
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap











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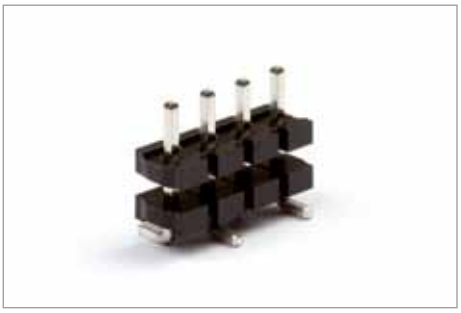
MALE HEADER
MALE HEADER DOUBLE BASE SMT 5.08 mm

INTERCOM SMT

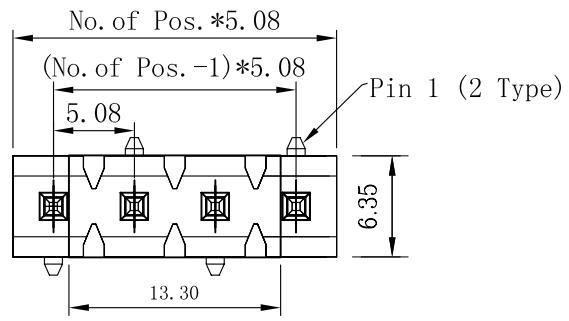


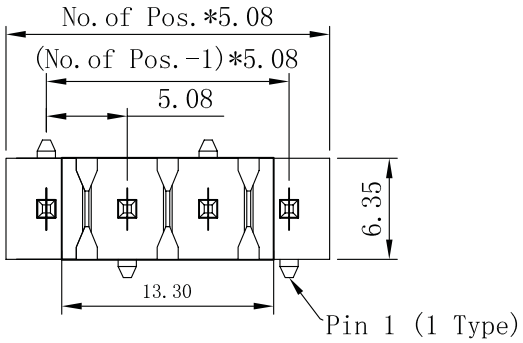
Features	Pitch 5.08 mm pin 1.14 mm Breakable heade
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

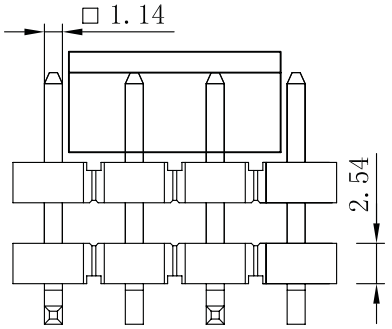
Product Code

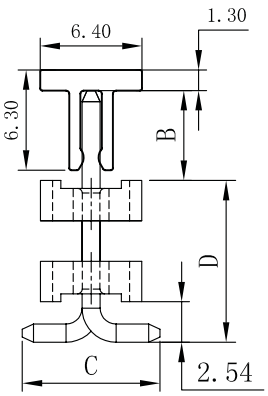
A	B	C	D	E	F
668	8236	2xx	4x	x	-x

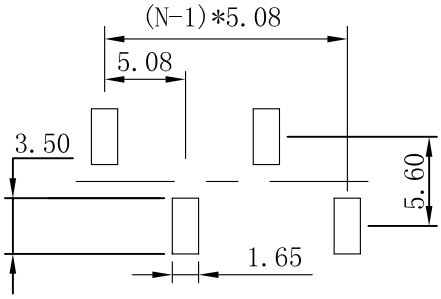
B	B=5.64 mm C=8.64 mm D=10.16 mm
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap











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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

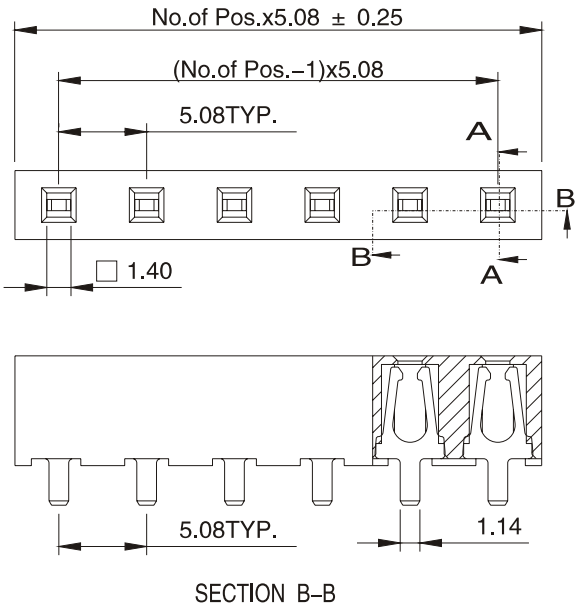
INTERCOM

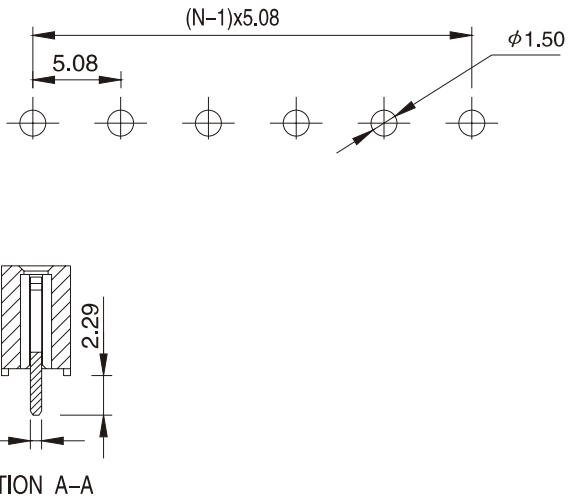
Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 6.8 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code

A	B	C	D
477	8206	2xx	4x0

C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin





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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

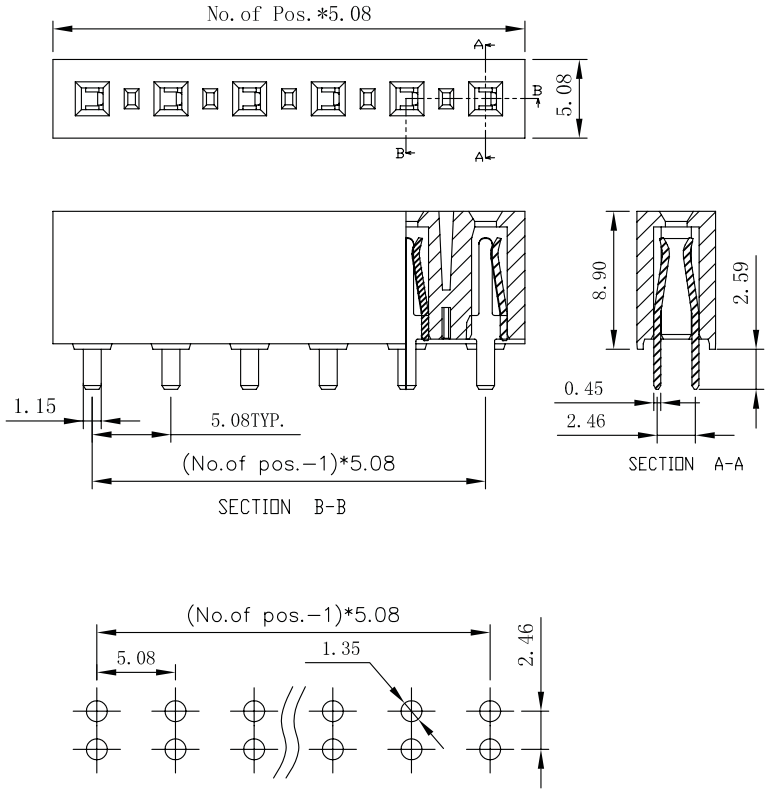
INTERCOM

Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code

A	B	C	D
477	8237	2xx	4x0

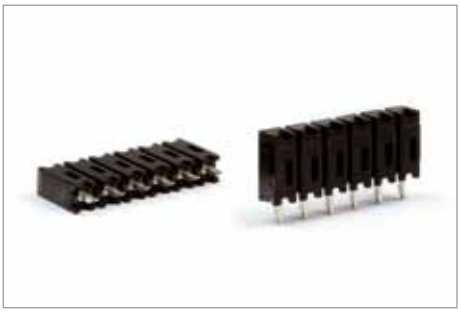
C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

INTERCOM

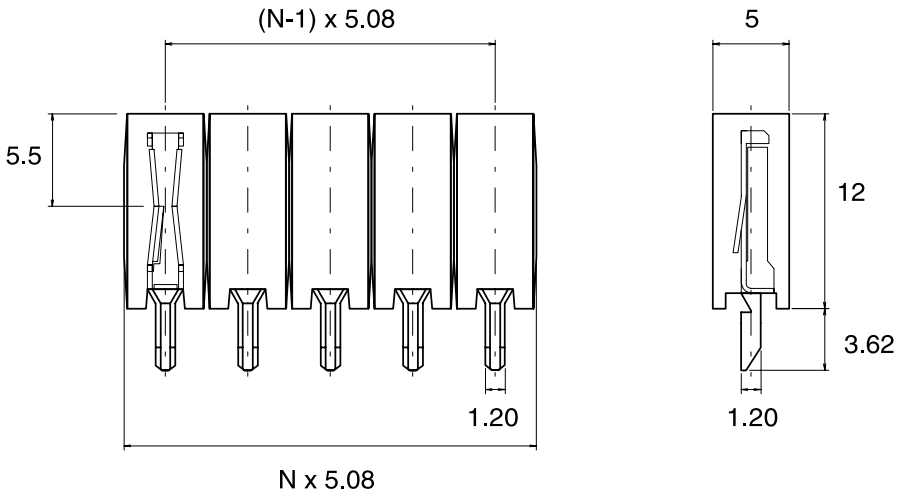


Features	Pitch 5.08 for pin 1.14 mm Socket breakable, pitch 5.08 mm Double wipe contact
Material	Insulator: Black glass filled polyester UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 6 A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 125 °C Pc board hole diameter Ø 1.7 mm
Packaging	Recyclable card board boxes

Product Code

A	B	C	D	E
477	2023	2	xx	4x0

C	Number of pins from 02 to 12
D	Plating 0 Selective Gold 0.2 µm over Ni 4 Tin 4 µm Other platings on demand.



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 5.08 mm

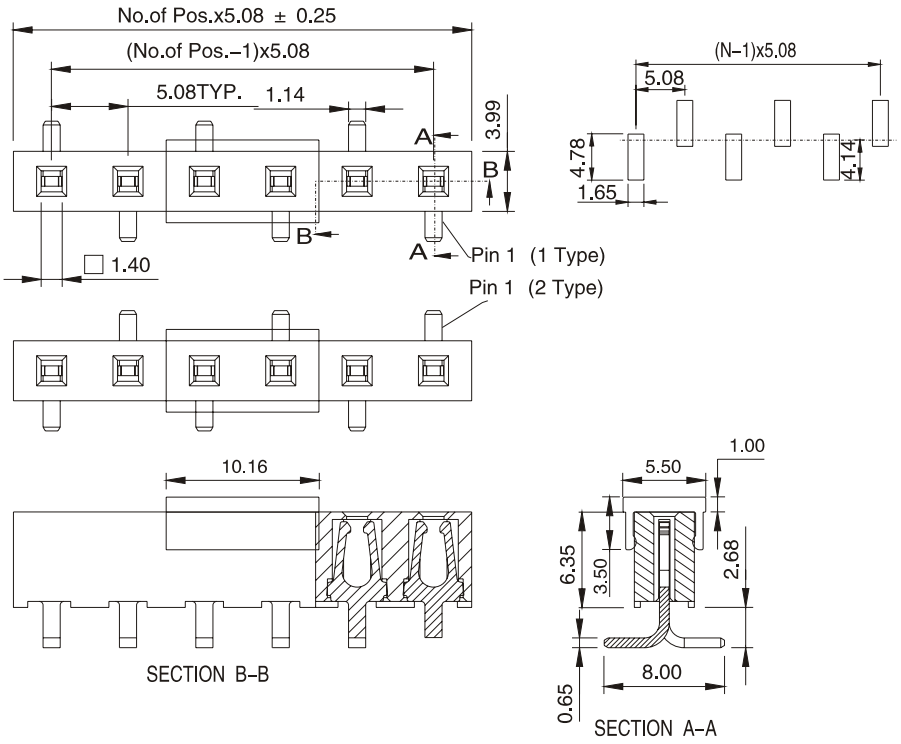
INTERCOM SMT

Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code

A	B	C	D	E	F
677	8238	2xx	4x	x	-x

C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin
E	Position of the first pin: 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

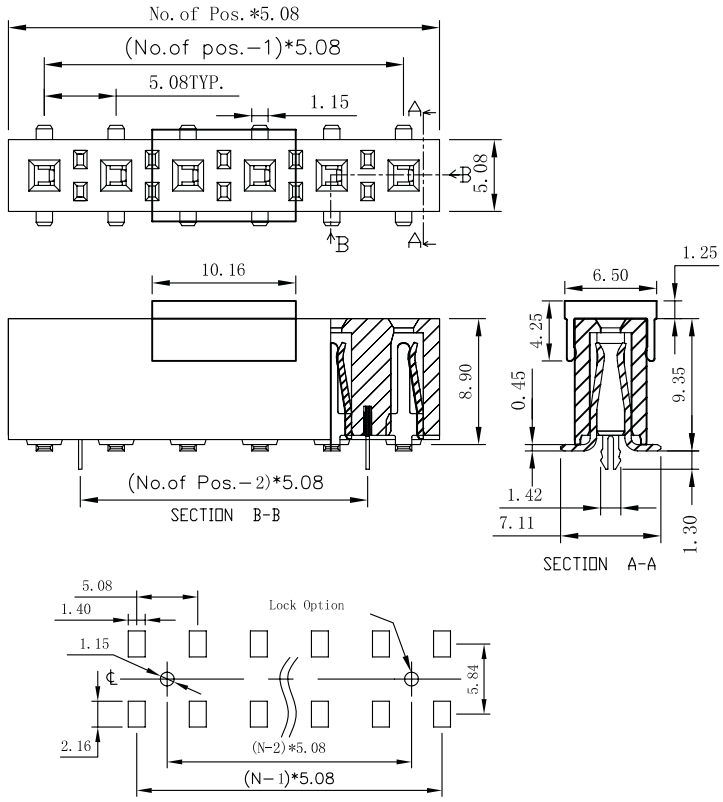
INTERCOM SMT

Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code

A	B	C	D	E	F
677	8239	2xx	4x	x	-x

C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin
E	0: Without locking peg 1: With locking peg
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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WIRE TO BOARD CONNECTION

Note:

PLATING standard version

Gold 0.25 µm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

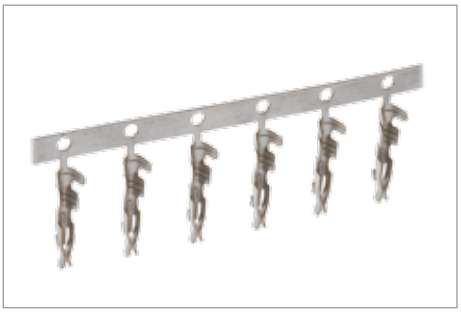
Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

CT31x - 2.5 mm PITCH

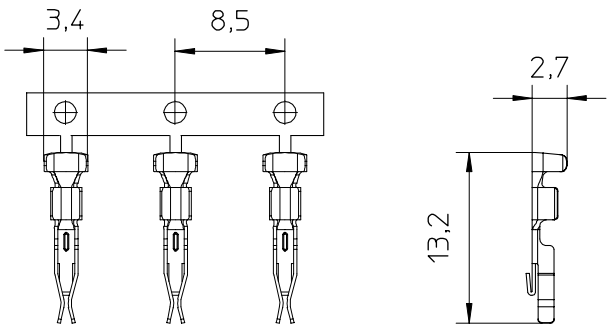


Features	Double wipe contact use with BS442 Housing
Material	Copper alloy Tin plated
Electrical	Current rating: CT 317 6A CT 310 7.5A
Mechanical	Temperature rating: from -30 °C to 110 °C
Packaging	Reel 10.000 pcs

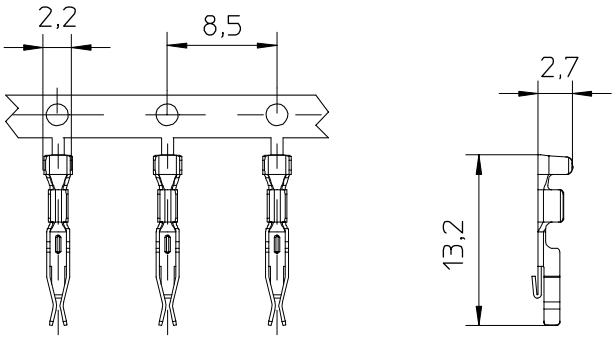
Product Code		
A	B	C
CT	31x	SN

B	awg 7 22-24 0 20-24

CT310



CT317



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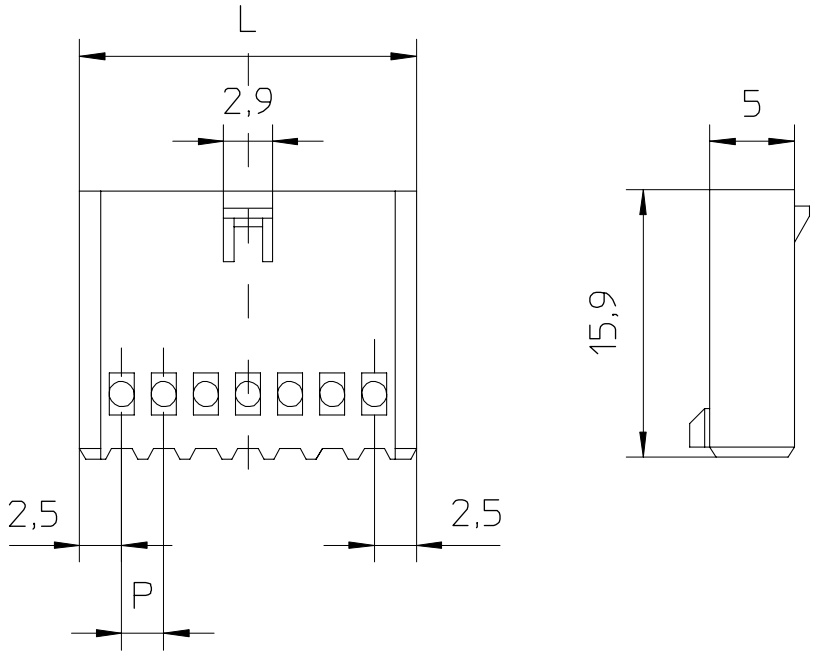
BS442 - 2.5 mm PITCH

Features	Friction lock single row housing, use with CT31x contact mates with CFM 2.5 header
Material	PA UL94VO
Electrical	Voltage 125V
Mechanical	Temperature rating: from -30 °C to 110 °C

Product Code		
A	B	C
BS442	/xx	GR

B	Number of contacts from 2 to 20



P=2,5
L=2,5x(p+1)

“Due to technical progress, all design, specification and components are subject to change without notice”.

CFM 2.5 mm PITCH

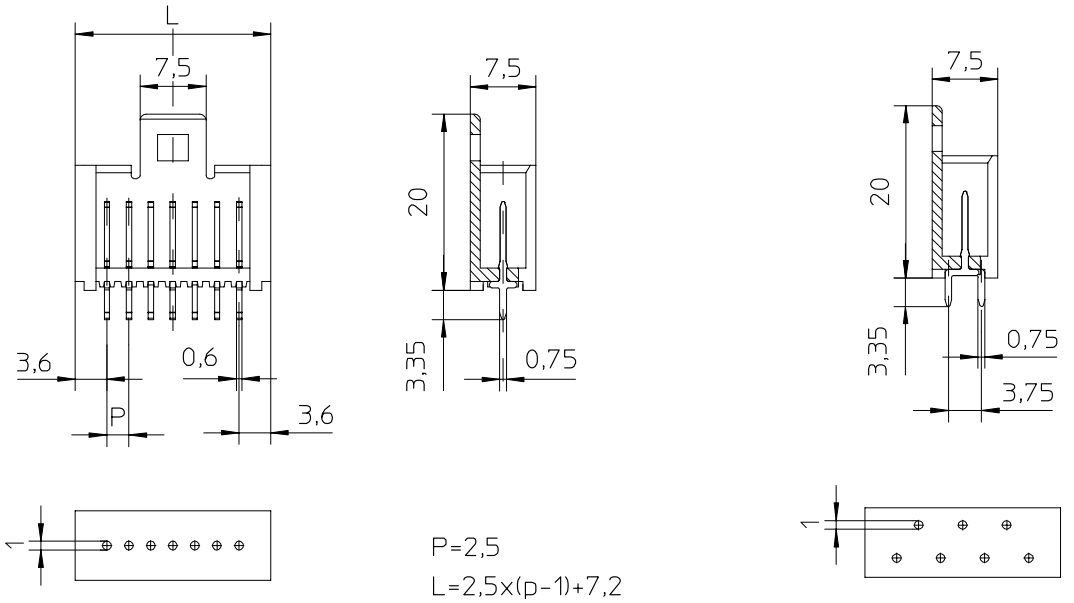
Features	Friction lock single row header, mates with BS442
Material	PA UL94VO
Electrical	Voltage 125V Current rating 6A
Mechanical	Temperature rating: from -30 °C to 125 °C

Product Code

A	B	C	D
CFM2.5	/xx	xx	GR

B	Number of contacts from 2 to 20
C	Foot print: Blank: single row VO1: double row

Version V01



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AUTOCOM

Features Single row right angle insulation displacement connector
Pitch 2.54 mm
Fast & easy wiring of flat cable or discrete wire
Double wipe contact

Material Insulator: Black glass filled polyester UL 94VO
Contact: Phosphor bronze

Electrical Current rating: 3 A maxi
Dielectric withstanding: 500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 20 mΩ maxi

Mechanical Temperature rating: -40 °C to 125 °C
Maximum Insulation:
Diameter: Ø 1.45 mm
Insertion force:
Tin version: 3 N Maxi per contact
Gold version: 1.5 N maxi per contact
Withdrawal force:
Tin version: 0.2 N mini per contact
Gold version: 0.15 N mini per contact

Packaging Plastic tubes (220 contacts per row)

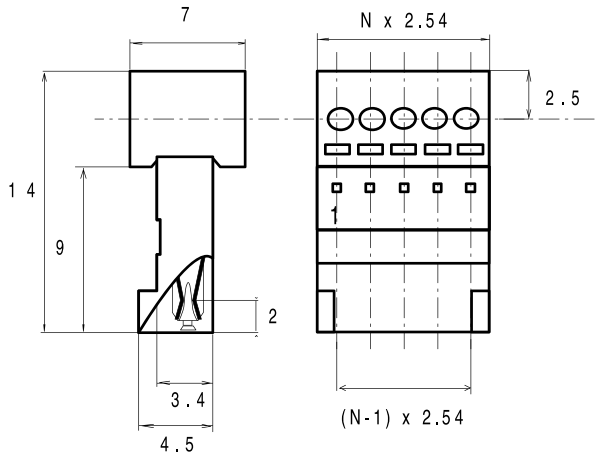
Product Code			
A	B	C	D
478	28xx	1xx	4x0

B	AWG and polarization 26/28 AWG 2836 2709 22/24 AWG 2837 2710
C	Number of contacts from 02 to 15
D	Plating 4 *Tin 4 µm 7 Selective Gold 0.2 µm over Ni 1.27 µm

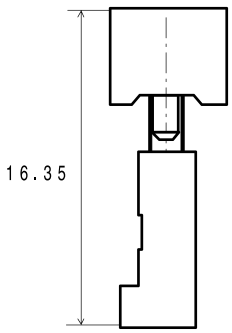
SEE OUR TOOLS
PAGE 268

(N= Number of contacts)

After cabling



Befor e cabling



Serie 4782710
Serie 4782709

Serie 4782837
Serie 4782836

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INTERCOM

Features	ID Locking connector single and double row Pitch 2.54 mm Gauge 28 to 22 Fast and easy wiring of flat cable or discrete wire Double wipe contact
Material	Insulator: Black glass filled polyester UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 3 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ maxi
Mechanical	Temperature rating: -40 °C to 125 °C Maximum Insulation: Diameter: Ø 1.45 mm
Packaging	Recyclable cardboard boxes

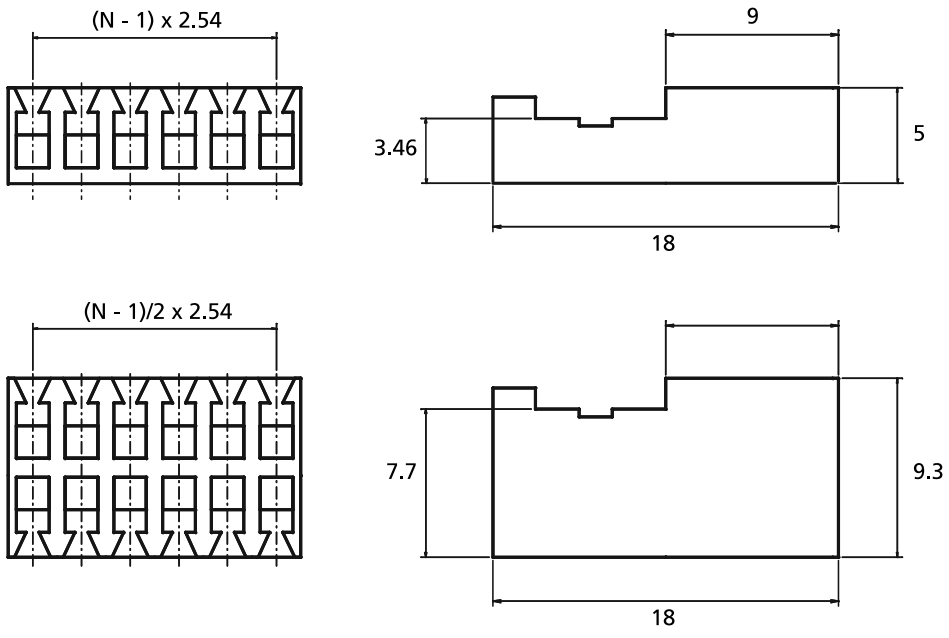
Product Code

A	B	C	D
478	3xxx	1xx	4x0

B	3219 (SR) Single Row 3220 (DR) Double Row
C	Number of contacts from 02 to 18 SR 04 to 36 DR
D	Plating 4 Tin 4 µm 0 Selective Gold 0.2 µm over Ni

SEE OUR TOOLS
PAGE 268

(N= Number of contacts)



"Due to technical progress, all design, specification and components are subject to change without notice".

INTERCOM

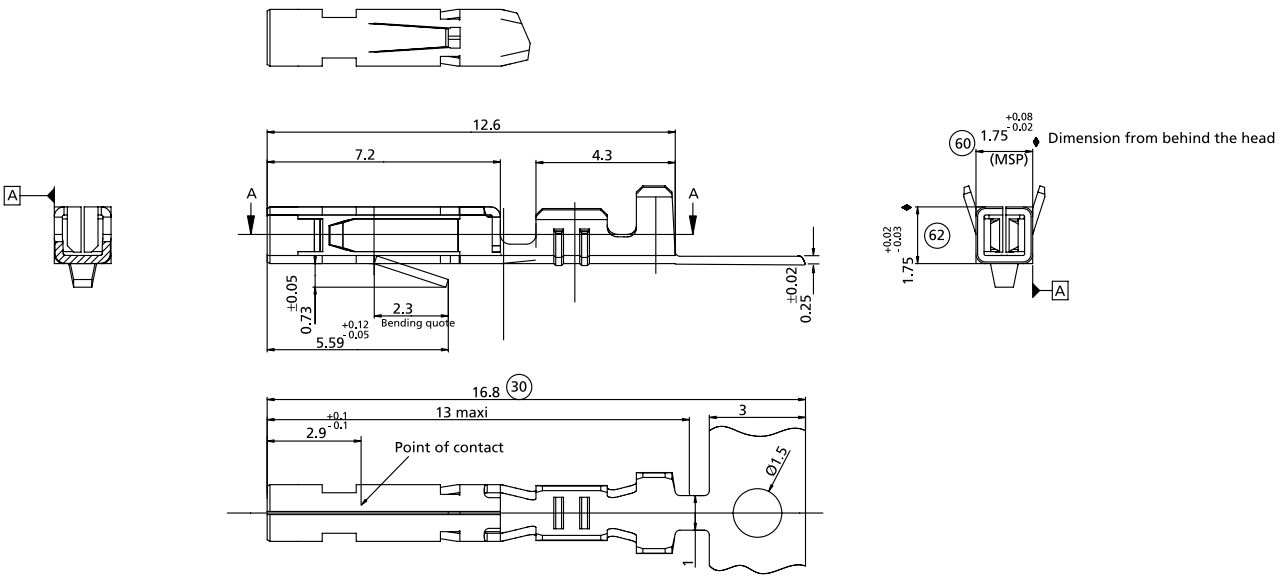
Features	Crimp contact for single and double row housing Double Wipe Removable contact AWG 22 - 24 - 26 - 28
Material	Material: Phosphor bronze
Electrical	Current rating: 3 A maxi Contact resistance: 20 mΩ maxi
Mechanical	Temperature rating: -55 °C to 125 °C Maximum Insulation Diameter: Ø 1.45 mm
Packaging	Recyclable cardboard reels

Product Code

A	B	C	D	E
485	3250	000	4x	x

D	Plating 2 Tin 4 µm 7 Selective gold 0.2 µm over 1.27 µm NI
E	Packaging 1 reel (8000 contacts each) 2 reel (1000 contacts each)

SEE OUR TOOLS
PAGE 268



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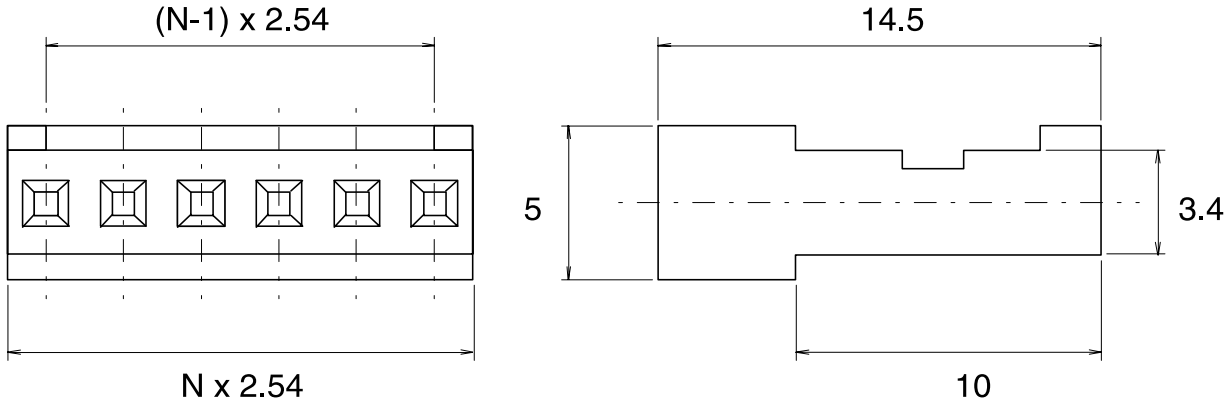
INTERCOM

Features	Single row housing for crimping contact Double Wipe Removable contact AWG 22 - 24 - 26 - 28
Material	Insulator: Black glass filled polyester UL 94VO
Electrical	Current rating: 3 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 100000 MΩ mini Contact resistance: 20 mΩ maxi
Mechanical	Temperature rating: -55 °C to 125 °C Maximum Insulation Diameter: Ø 1.45 mm
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D
485	3248	0xx	740

C	Number of contacts 02, 03, 04, 05, 08, 10



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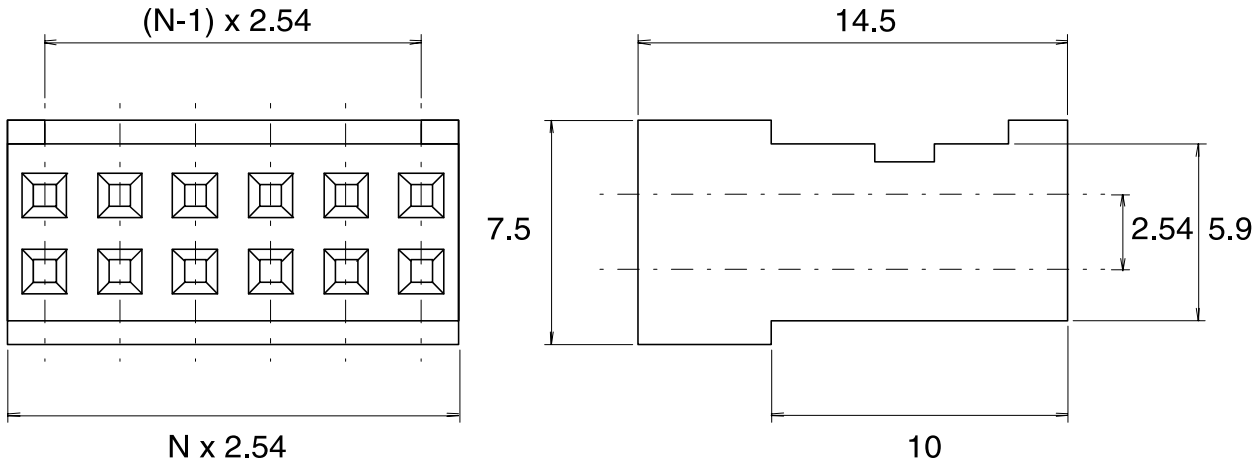
INTERCOM

Features	Double row housing for crimping contact Double Wipe Removable contact AWG 22 - 24 - 26 - 28
Material	Insulator: Black glass filled polyester UL 94VO
Electrical	Current rating: 3 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ maxi
Mechanical	Temperature rating: -40 °C to 125 °C Maximum Insulation Diameter: Ø 1.45 mm
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D
485	3401	0xx	740

C	Number of contacts 08, 10, 14, 16



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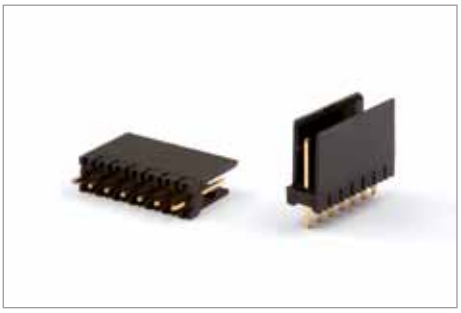
INTERCOM

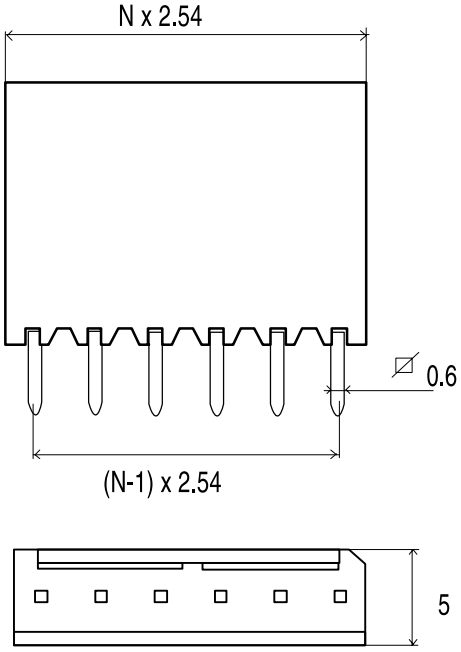


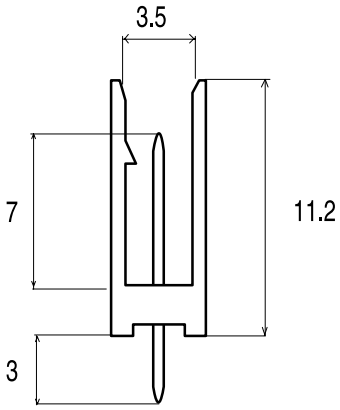
Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 10000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D
475	0334	1xx	4x0

C	Number of contacts 02, 03, 04, 05, 08, 10
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm 7 Selective Gold 0.2 µm over Ni 1.27 µm Other platings on demand





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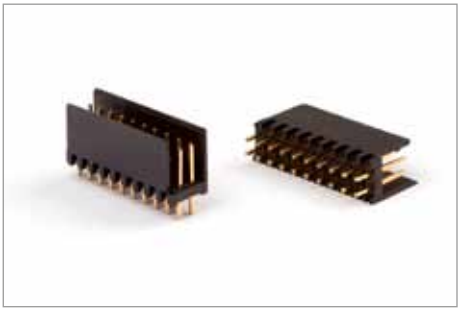
INTERCOM

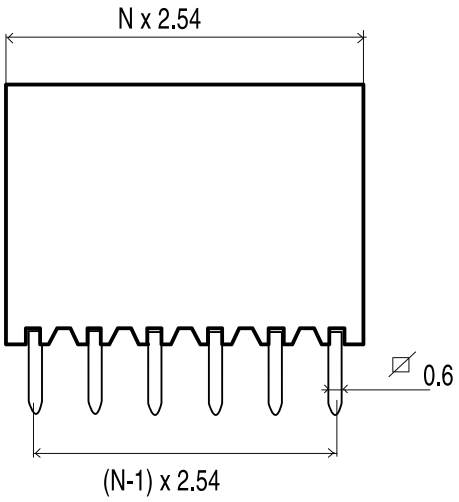


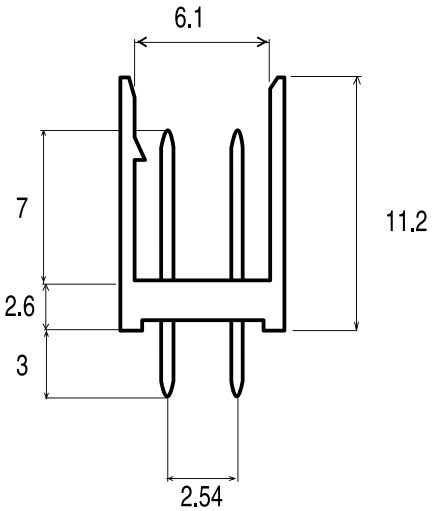
Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

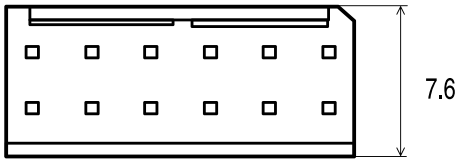
Product Code

A	B	C	D	E	F
475	1848	1	xx	4x0	-1

D	Number of contacts from 04 to 40
E	Plating 0 Gold plating 0.2 µm over Ni 1.27 µm 4 Tin plated 4 µm over Ni 1.27 µm 7 Selective Gold plating 0.2 µm over Ni 1.27 µm Other plating upon request







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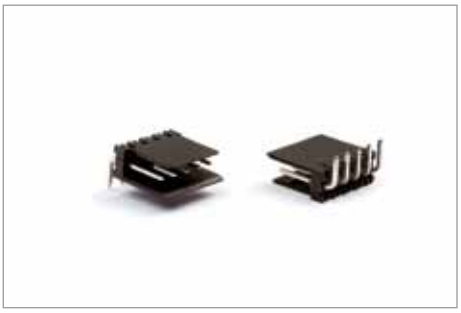
INTERCOM

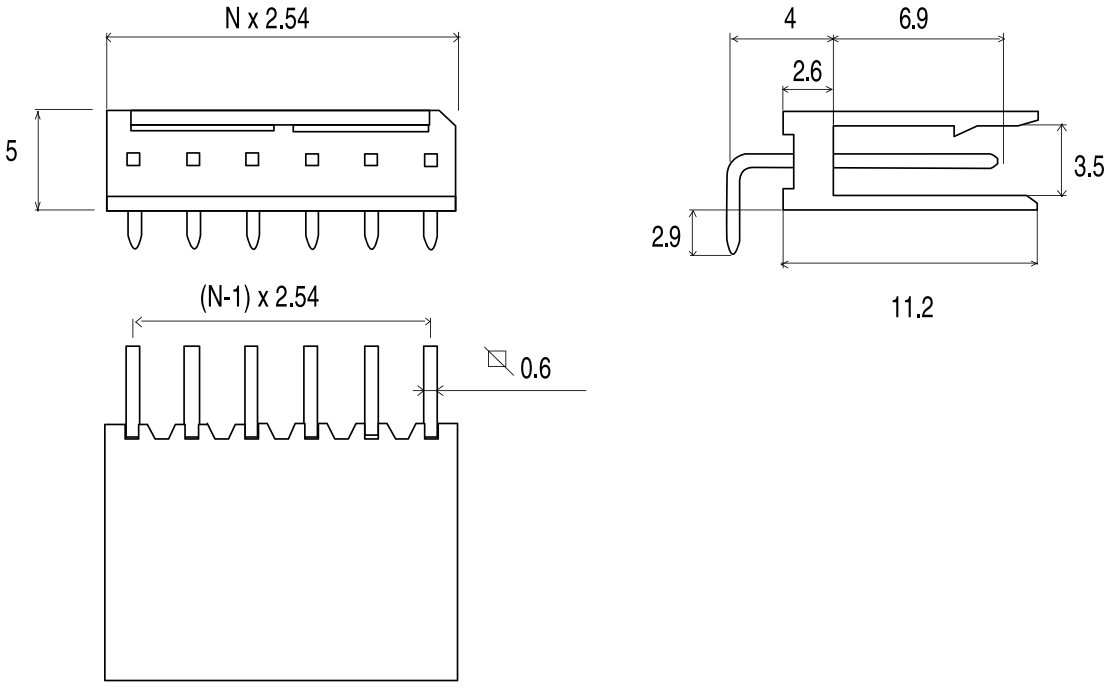


Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D	E	F
476	0395	1	xx	4x0	-1

D	Number of contacts from 02 to 20
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm 7 Selective Gold 0.2 µm over Ni 1.27 µm Other platings on demand



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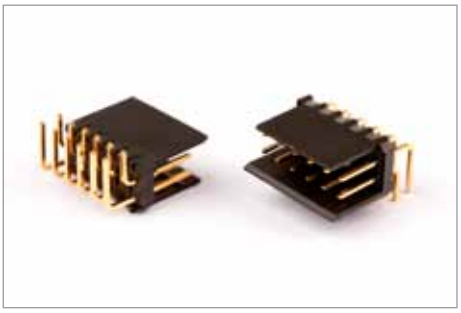
INTERKON

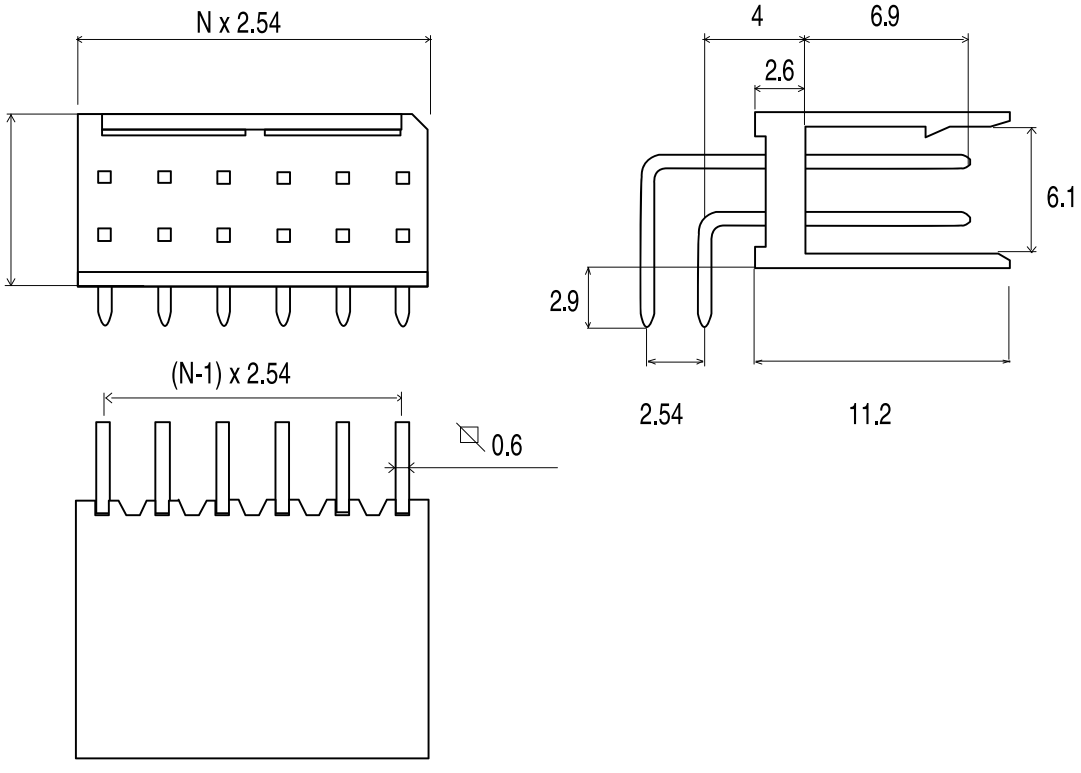


Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code

A	B	C	D	E	F
476	2075	1	xx	4x0	-1

D	Number of contacts from 04 to 26
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm 7 Selective Gold 0.2 µm over Ni 1.27 µm Other platings on demand.



“Due to technical progress, all design, specification and components are subject to change without notice”.

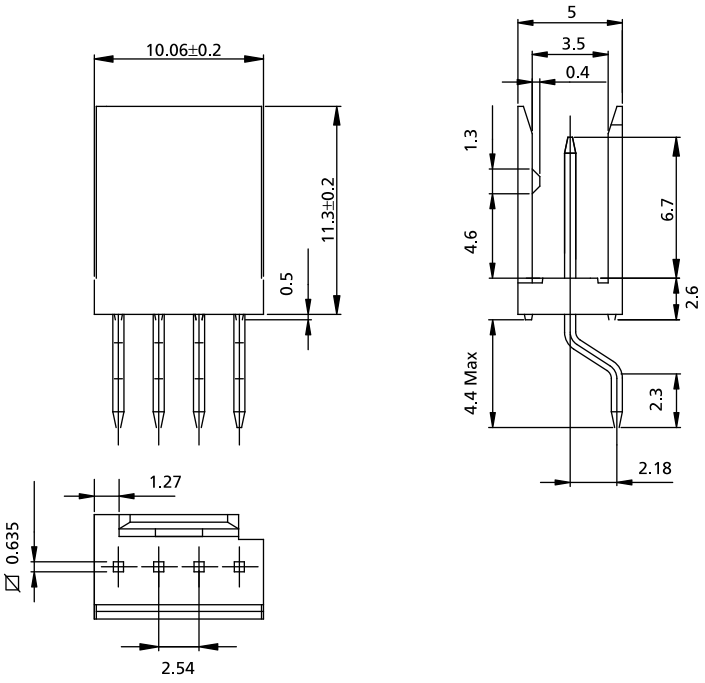
INTERCOM SMT

Features	SMD horizontal single row Header Pitch 2.54 mm
Material	Insulator: PA 4.6 UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 500 V AC Insulation resistance: 10000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C

Product Code

A	B	C	D
676	2130	1xx	4x0

D	Number of contacts from 02 to 20
E	Plating 0 Gold 0.20 µm min over 1÷2 µm Ni 4 Tin 4÷8 µm over 1.27÷3 µm Ni 7 Selective gold 0.2 µm over 1.27 µm Ni Other platings on demand



"Due to technical progress, all design, specification and components are subject to change without notice".

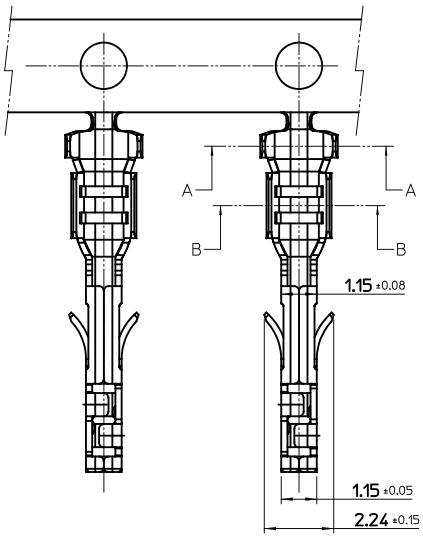
CRIMP CONNECTOR
FEMALE CONTACT

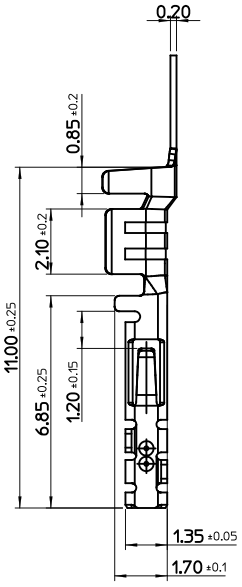
MICROPOWER

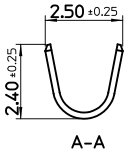
Features	Female crimp contact for Micropower receptacle
Material	Contact: Phosphor bronze Tin plated
Electrical	Current rating: 5 A Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C Wire range: AWG 20-24
Packaging	Reel 15.000 pcs

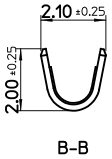
Product Code

A	B	C	D
485	8414	000	540









“Due to technical progress, all design, specification and components are subject to change without notice”.

MICROPOWER

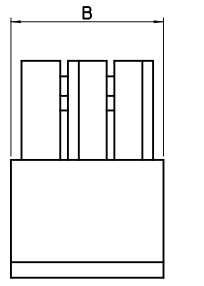
Features	Receptacle housing single row
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code

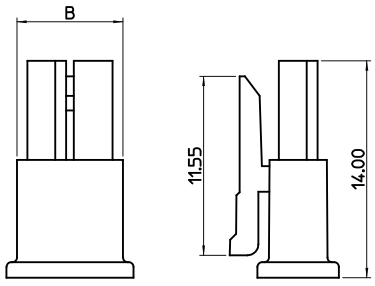
A	B	C	D
485	8422	7xx	740

C	Number of contacts from 02 to 12

Position	A	B
02	3.00	6.85
03	6.00	9.85
04	9.00	12.85
05	12.00	15.85
06	15.00	18.85
07	18.00	21.85
08	21.00	24.85
09	24.00	27.85
10	27.00	30.85
11	30.00	33.85
12	33.00	36.85



1x3~1x12



1x2

“Due to technical progress, all design, specification and components are subject to change without notice”.

CRIMP CONNECTOR
RECEPTACLE HOUSING

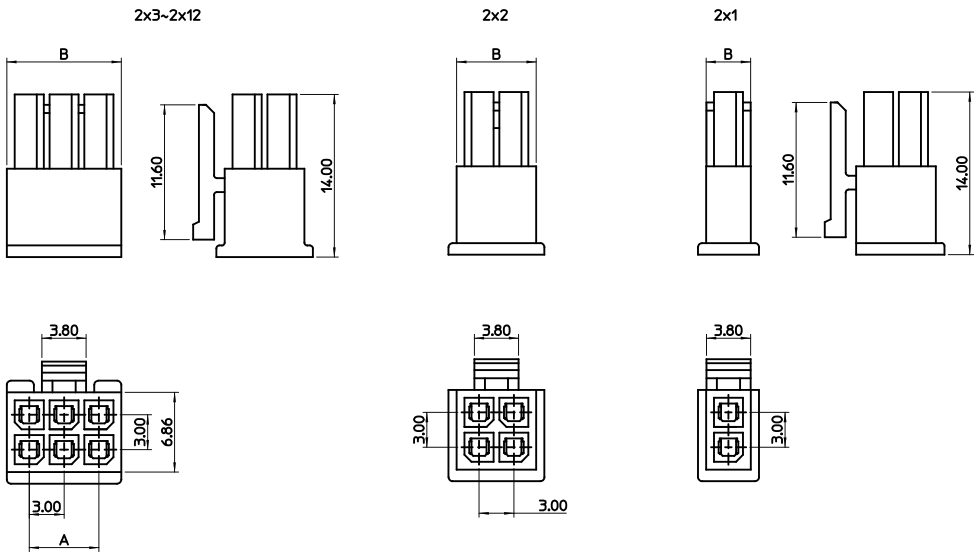
MICROPOWER

Features	Receptacle housing
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8416	7xx	740

C	Number of contacts from 02 to 24

Position	A	B
02	...	3.85
04	3.00	6.85
06	6.00	9.85
08	9.00	12.85
10	12.00	15.85
12	15.00	18.85
14	18.00	21.85
16	21.00	24.85
18	24.00	27.85
20	27.00	30.85
22	30.00	33.85
24	33.00	36.85



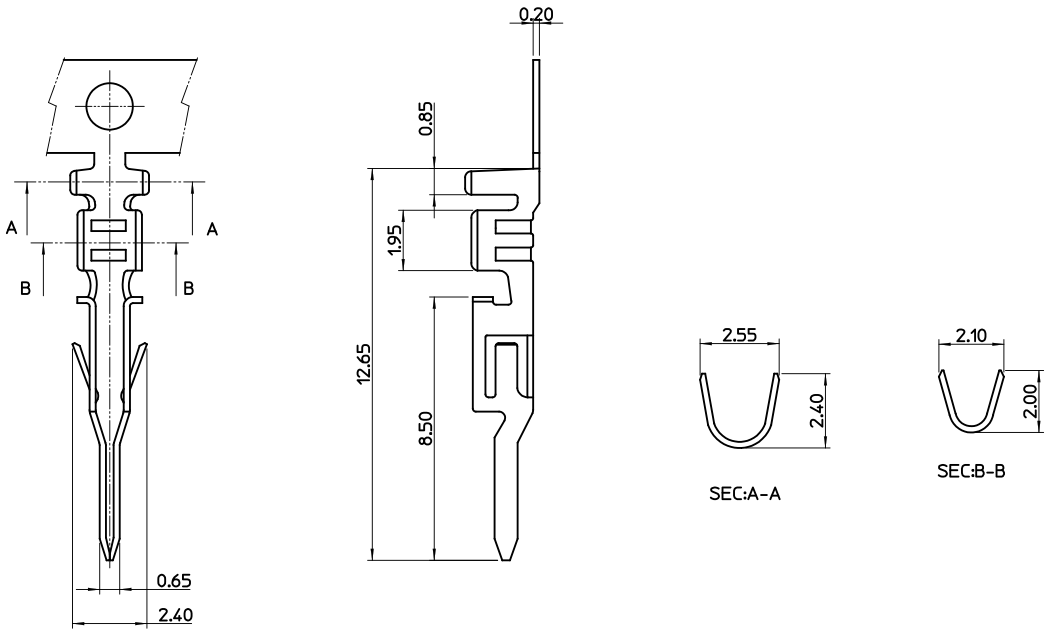
"Due to technical progress, all design, specification and components are subject to change without notice".

MICROPOWER

Features	Male crimp contact for Micropower receptacle
Material	Contact: Phosphor bronze Tin plated
Electrical	Current rating: 5A Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C Wire range: AWG 20-24
Packaging	Reel 15.000 pcs

Product Code

A	B	C	D
485	8415	000	540



“Due to technical progress, all design, specification and components are subject to change without notice”.

CRIMP CONNECTOR
PLUG HOUSING

MICROPOWER

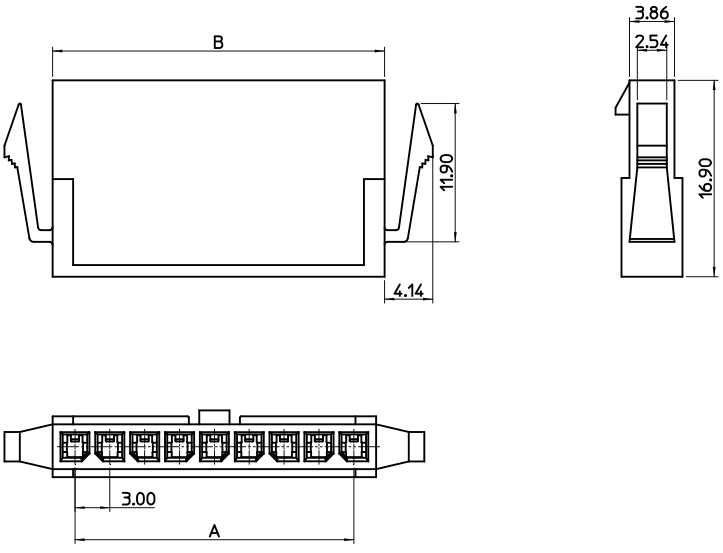
Features	Plug housing single row
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code

A	B	C	D
485	8423	7xx	740

C	Number of contacts from 02 to 12

Position	A	B
02	3.00	6.85
03	6.00	9.85
04	9.00	12.85
05	12.00	15.85
06	15.00	18.85
07	18.00	21.85
08	21.00	24.85
09	24.00	27.85
10	27.00	30.85
11	30.00	33.85
12	33.00	36.85



“Due to technical progress, all design, specification and components are subject to change without notice”.

MICROPOWER

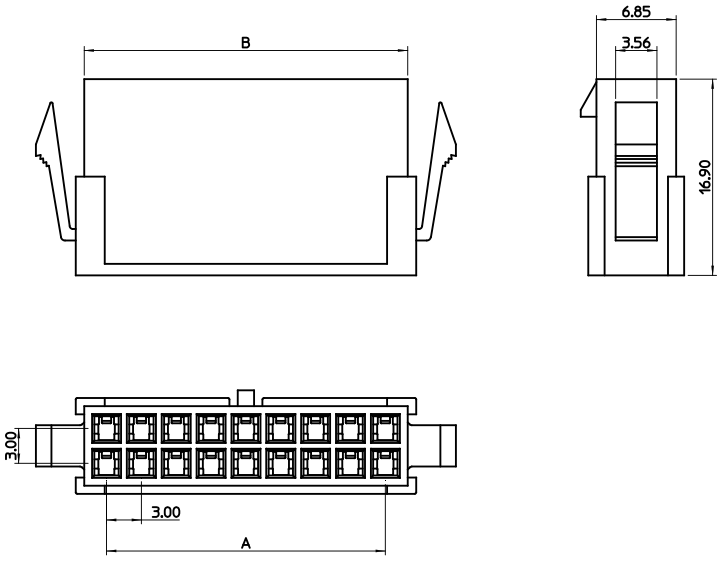
Features	Plug housing
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code

A	B	C	D
485	8417	7xx	740

C	Number of contacts from 02 to 24

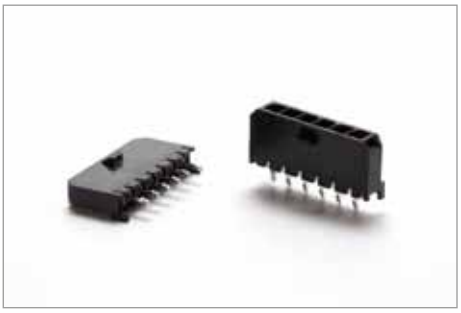
Position	A	B
02	...	3.85
04	3.00	6.85
06	6.00	9.85
08	9.00	12.85
10	12.00	15.85
12	15.00	18.85
14	18.00	21.85
16	21.00	24.85
18	24.00	27.85
20	27.00	30.85
22	30.00	33.85
24	33.00	36.85



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
VERTICAL PTH

MICROPOWER



Features	Micropower vertical header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

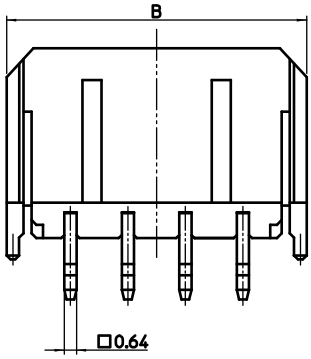
Product Code

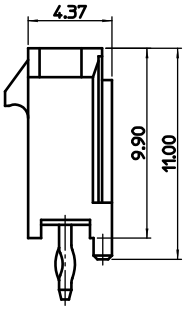
A	B	C	D
475	8424	7xx	240

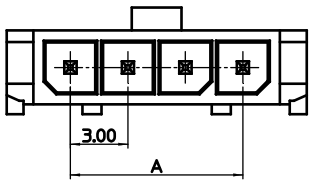
C	Number of contacts from 02 to 12

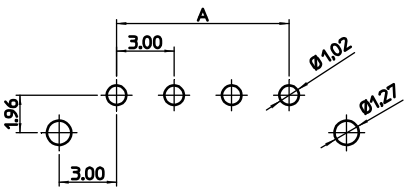
THR version is available upon request.

Position	A	B
02	3.00	9.65
03	6.00	12.65
04	9.00	15.65
05	12.00	18.65
06	15.00	21.65
07	18.00	24.65
08	21.00	27.65
09	24.00	30.65
10	27.00	33.65
11	30.00	36.65
12	33.00	39.65









Recommended PCB Layout
(PCB TOLERANCE ±0.05)

"Due to technical progress, all design, specification and components are subject to change without notice".

MICROPOWER

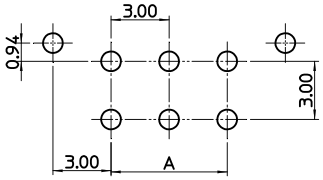
Features	Micropower vertical header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
475	8418	7xx	240

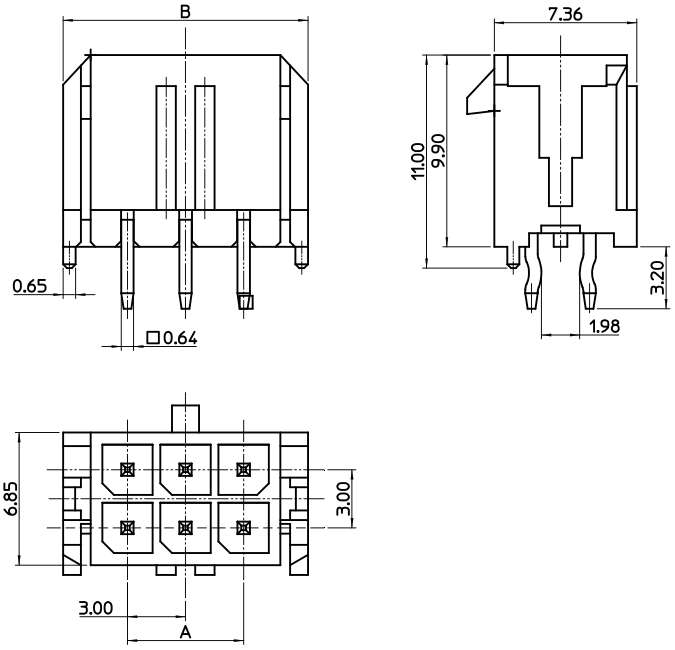
C	Number of contacts from 02 to 24

THR version is available upon request.

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
RIGHT ANGLE PTH

MICROPOWER

Features	Micropower right angle header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

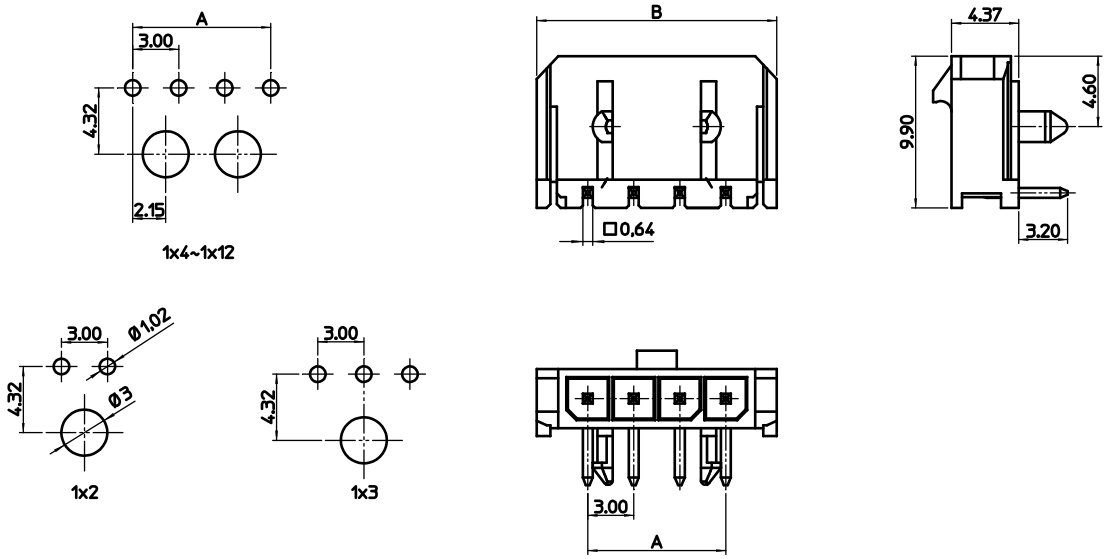
Product Code

A	B	C	D
476	8425	7xx	240

C	Number of contacts from 02 to 12

THR version is available upon request.

Position	A	B
02	3.00	9.65
03	6.00	12.65
04	9.00	15.65
05	12.00	18.65
06	15.00	21.65
07	18.00	24.65
08	21.00	27.65
09	24.00	30.65
10	27.00	33.65
11	30.00	36.65
12	33.00	39.65



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

"Due to technical progress, all design, specification and components are subject to change without notice".

MICROPOWER

Features	Micropower right angle header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code

A	B	C	D
476	8420	7xx	240

C	Number of contacts from 02 to 24

THR version is available upon request.

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
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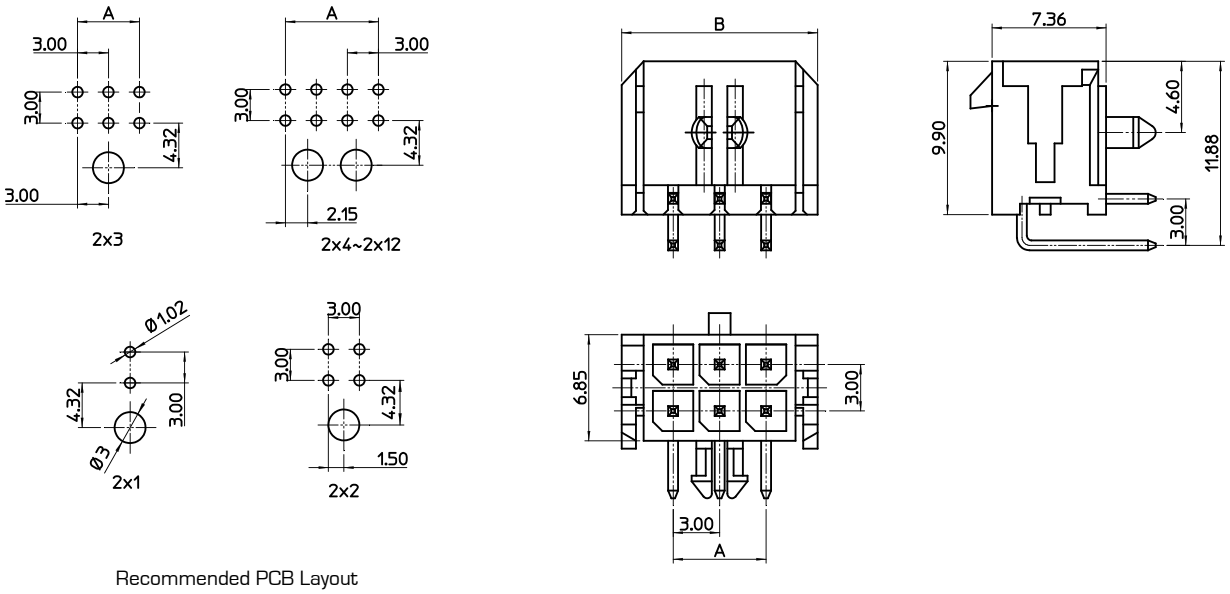
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
VERTICAL SMT

MICROPOWER

Features	Micropower straight SMT header
Material	Insulator: LCP Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code

A	B	C	D
677	8419	7xx	240

C	Number of contacts from 02 to 24

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
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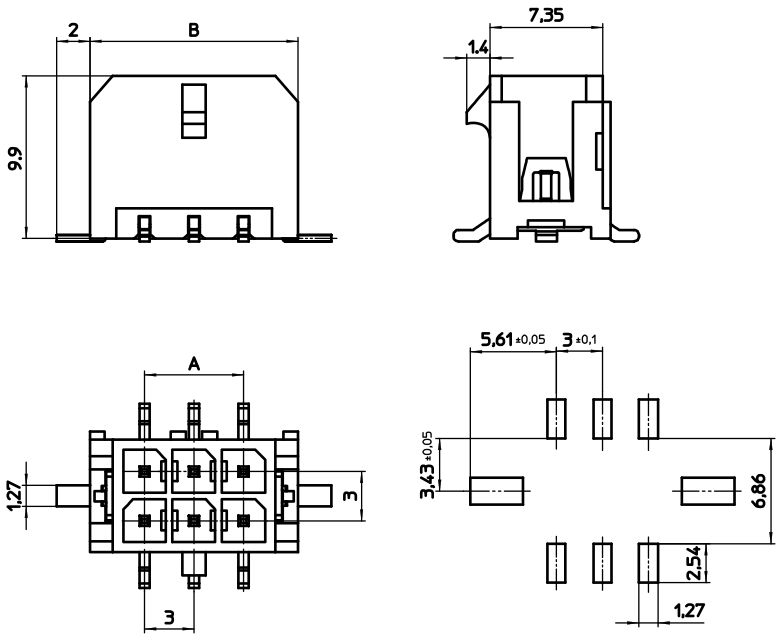
24	33.00	39.65



"Due to technical progress, all design, specification and components are subject to change without notice".

MICROPOWER

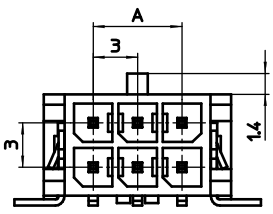
Features	Micropower right angle SMT header
Material	Insulator: LCP Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

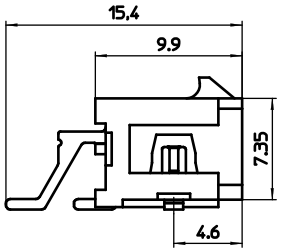
Product Code

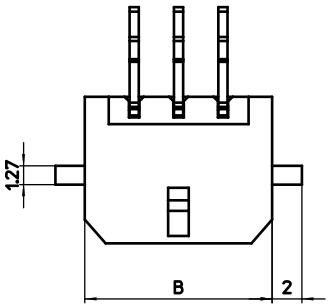
A	B	C	D
677	8421	7xx	240

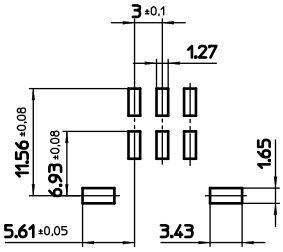
C	Number of contacts from 02 to 24

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65









"Due to technical progress, all design, specification and components are subject to change without notice".

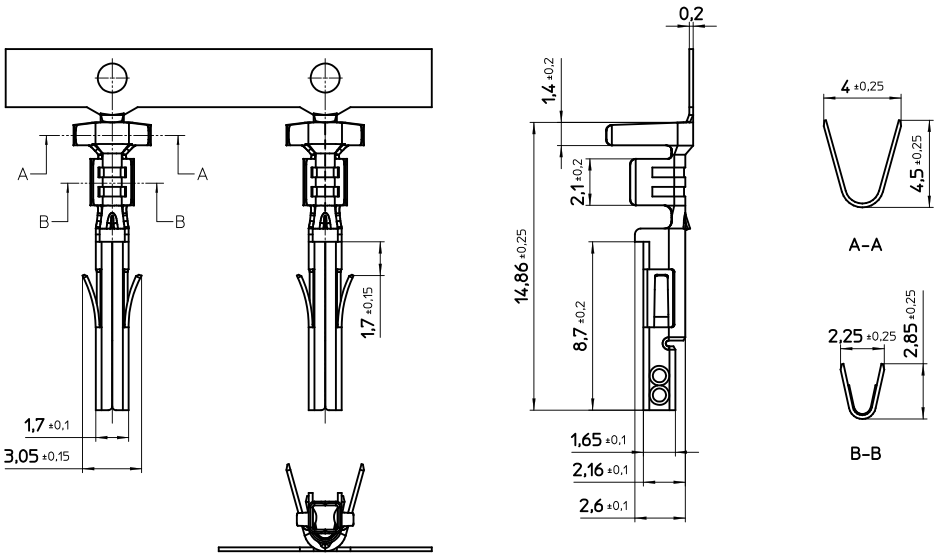
CRIMP CONNECTOR
FEMALE CONTACT

MINIPOWER

Features	Female crimp contact for Minipower receptacle housing
Material	Contact: Brass Tin plated
Electrical	Current rating: 9A Contact resistance: 10 mΩ maxi
Mechanical	Temperature rating: -40 °C to 105 °C Wire range: AWG 18-24
Packaging	Reel 5.000 pcs

Product Code

A	B	C	D
485	8401	000	540



"Due to technical progress, all design, specification and components are subject to change without notice".

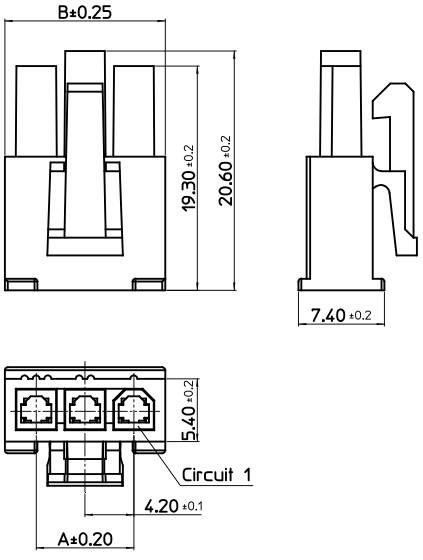
MINIPOWER

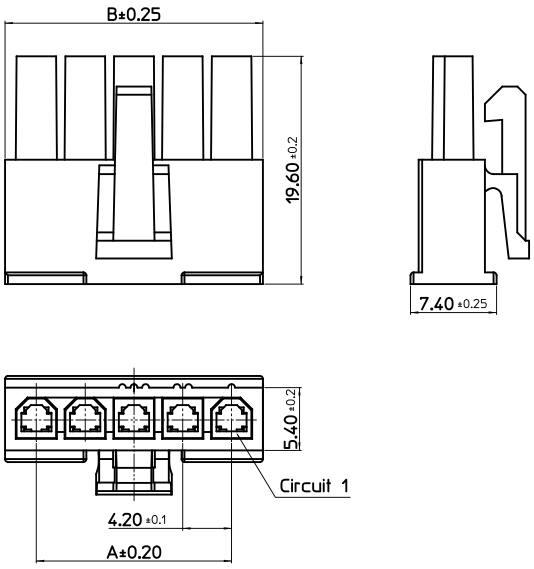
Features	Receptacle housing single row
Material	Insulator: PA 66
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8410	0xx	740

C	Number of contacts from 02 to 05

Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20





“Due to technical progress, all design, specification and components are subject to change without notice”.

CRIMP CONNECTOR
RECEPTACLE HOUSING

MINIPOWER

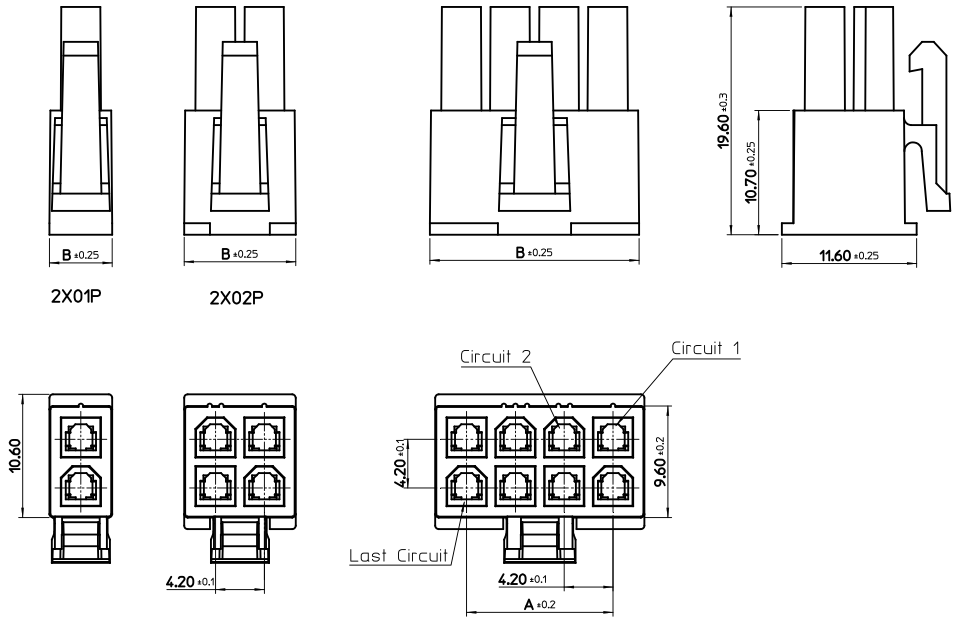
Features	Receptacle housing
Material	Insulator: PA 66
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code

A	B	C	D
485	8403	0xx	740

C	Number of contacts from 02 to 24

Position	A	B
02	...	5.70
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



"Due to technical progress, all design, specification and components are subject to change without notice".

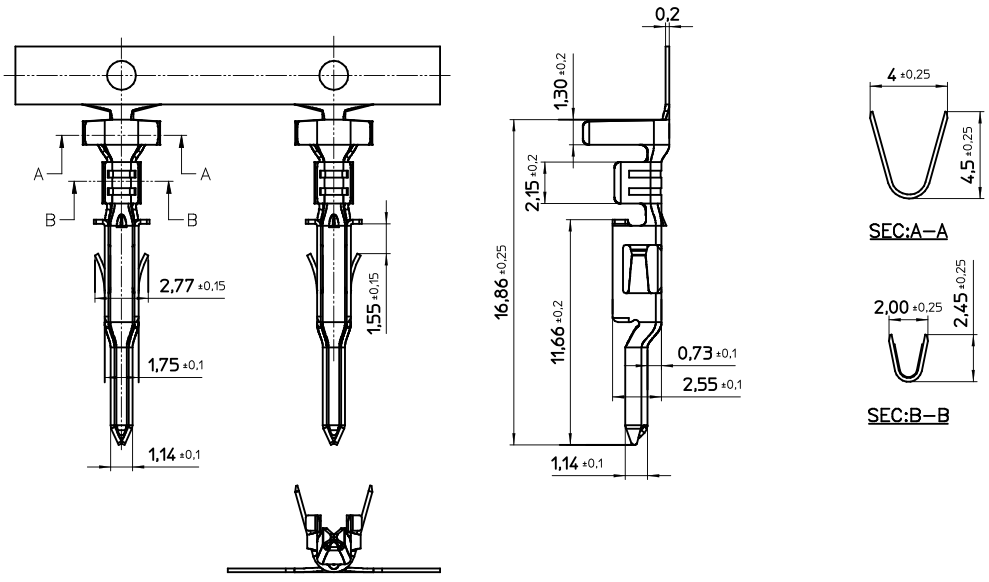
CRIMP CONNECTOR
MALE CONTACT

MINIPOWER

Features	Male crimp contact for Minipower plug housing
Material	Contact: Brass Tin plated
Electrical	Current rating: 9A Contact resistance: 10 mΩ maxi
Mechanical	Temperature rating: -40 °C to 105 °C Wire range: AWG 18-24
Packaging	Reel 5.000 pcs

Product Code

A	B	C	D
485	8402	000	540



"Due to technical progress, all design, specification and components are subject to change without notice".

CRIMP CONNECTOR
PLUG HOUSING

MINIPOWER

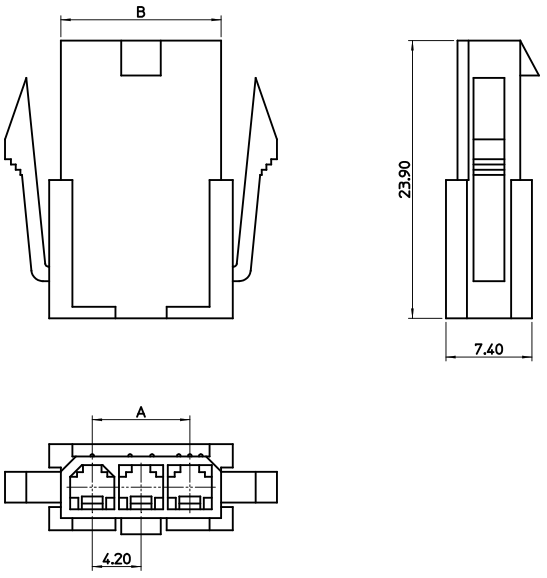
Features	Plug housing single row
Material	Insulator: PA 66
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code

A	B	C	D
485	8411	0xx	540

Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

C	Number of contacts from 02 to 05



“Due to technical progress, all design, specification and components are subject to change without notice”.

MINIPOWER

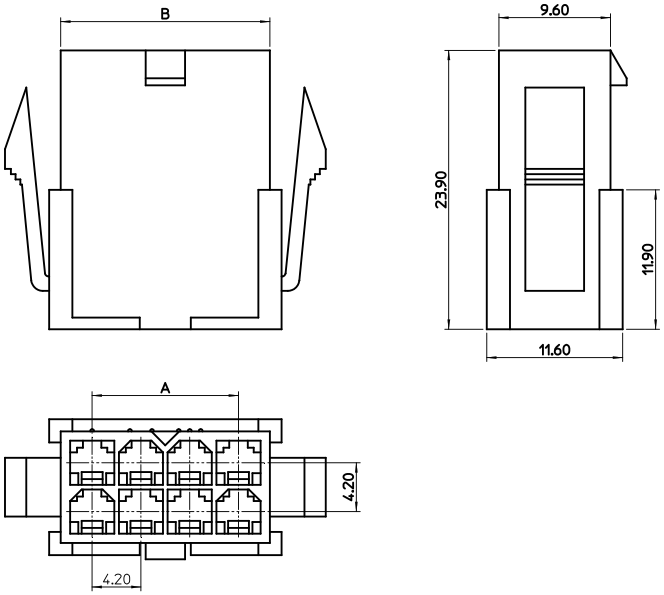
Features	Plug housing
Material	Insulator: PA 66
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code

A	B	C	D
485	8404	0xx	740

C	Number of contacts from 02 to 24

Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
VERTICAL PTH

MINIPOWER

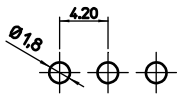
Features	Minipower vertical header
Material	Insulator: PA 66 Contact: Brass Tin Plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code

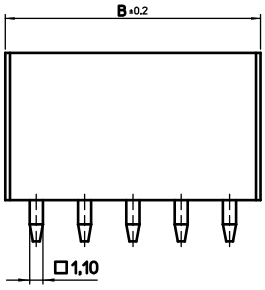
A	B	C	D
475	8412	0xx	540

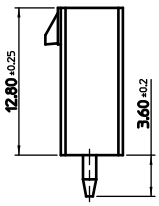
Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

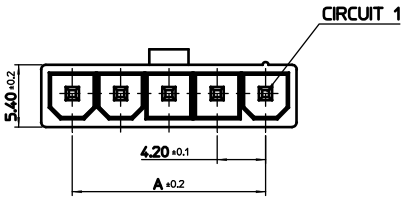
C	Number of contacts from 02 to 05



Recommended PCB Layout
(PCB TOLERANCE ±0.05)







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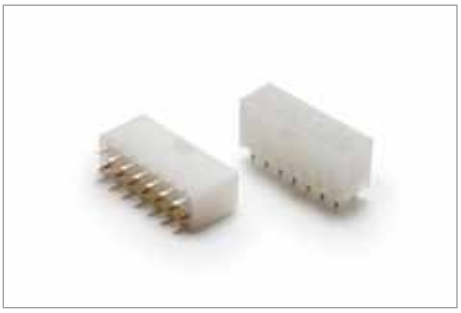
MINIPOWER



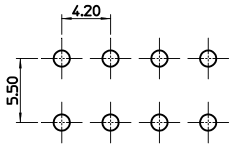
Features	Minipower vertical header
Material	Insulator: PA 66 Contact: Brass Tin plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code

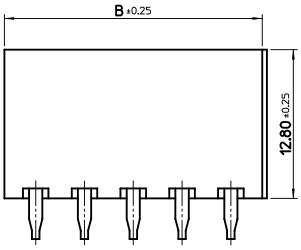
A	B	C	D
475	840x	0xx	540

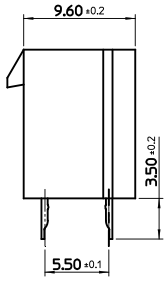
B	5: without post 6: with post
C	Number of contacts from 02 to 24

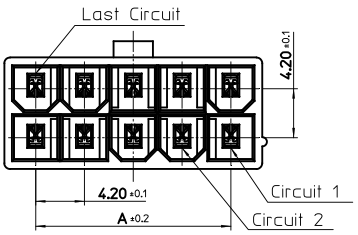
Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



Recommended PCB Layout
(PCB TOLERANCE ±0.05)







“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
RIGHT ANGLE PTH

MINIPOWER

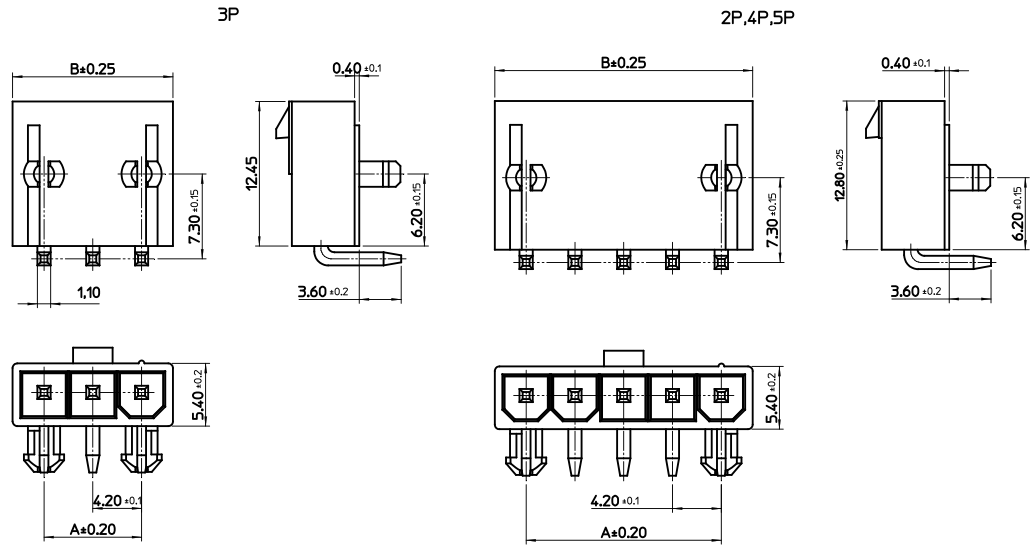
Features	Minipower right angle header
Material	Insulator: PA 66 Contact: Brass Tin Plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to +85 °C

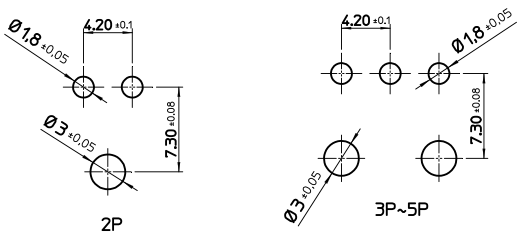
Product Code

A	B	C	D
476	8413	0xx	540

Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

C	Number of contacts from 02 to 05



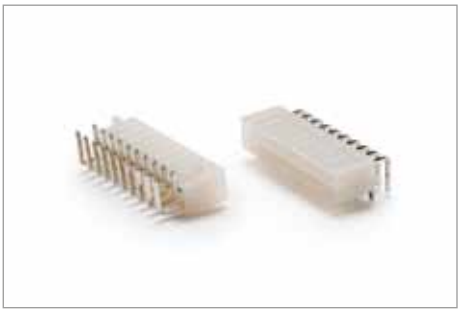


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

"Due to technical progress, all design, specification and components are subject to change without notice".

HEADER
RIGHT ANGLE PTH

MINIPOWER



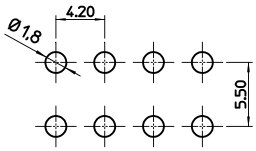
Features	Minipower right angle header
Material	Insulator: PA 66 Contact: Brass Tin Plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code

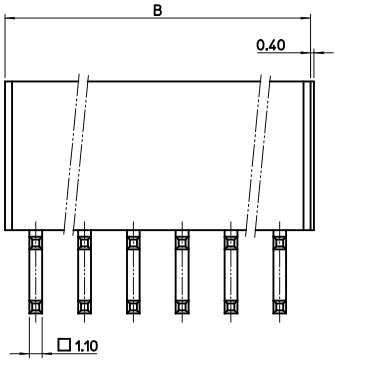
A	B	C	D
476	840x	0xx	540

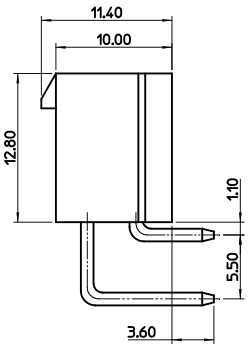
B	7: without post 8: with post
C	Number of contacts from 02 to 24

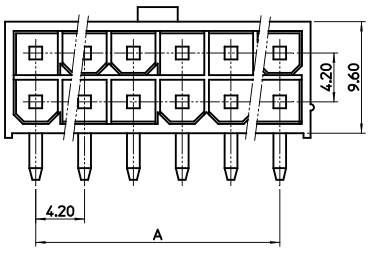
Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



Recommended PCB Layout
(PCB TOLERANCE ±0.05)







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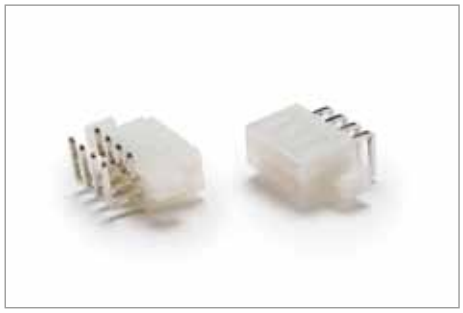
HEADER
RIGHT ANGLE PTH

MINIPOWER



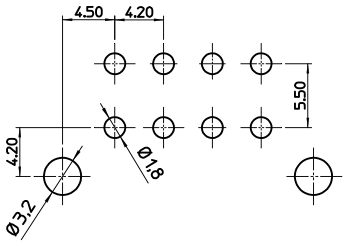
Features	Minipower right angle header
Material	Insulator: PA 66 Contact: Brass Tin Plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code

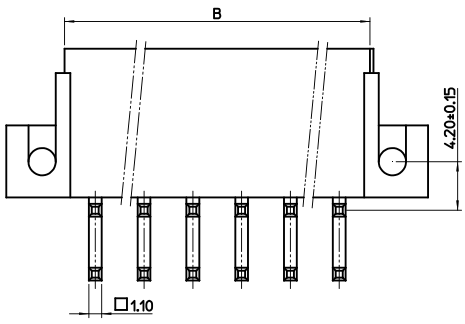
A	B	C	D
476	8409	0xx	540

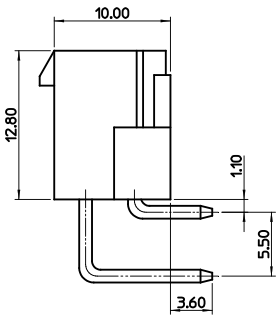
C	Number of contacts from 02 to 24

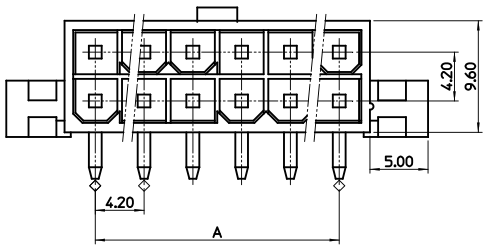
Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



Recommended PCB Layout
(PCB TOLERANCE ±0.05)







“Due to technical progress, all design, specification and components are subject to change without notice”.

RAST 5

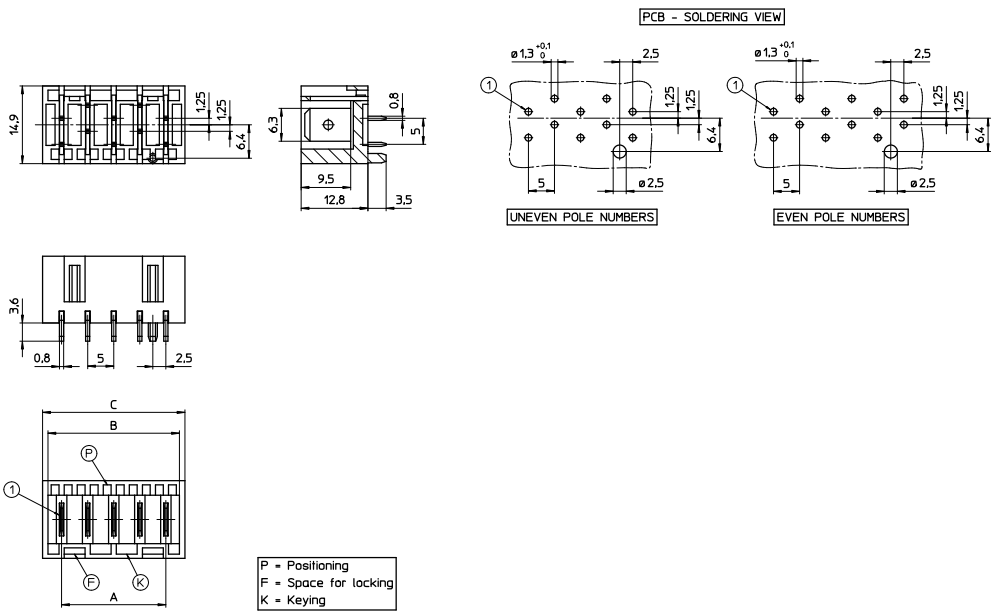
Features	PCB male header, pitch 5 mm
Material	Insulator: PA 66 UL-V0 GWT-compliant Contact: Brass Tin Plated
Electrical	Current rating: 10 A Dielectric withstanding: 250 V Insulation resistance: 1000 Ω mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -30 °C to 120 °C

Product Code

A	B	C	D	E
CTR1	P5	xx	Vyy	NA

C	Number of contacts from 02 to 16
D	Different version, depending on P-F-K
E	NA: Natural color of the plastic body

Position	A	B	C
02	5.00	10.20	12.30
03	10.00	15.20	17.30
04	15.00	20.20	22.30
05	20.00	25.20	27.30
06	25.00	30.20	32.30
07	30.00	35.20	37.30
08	35.00	40.20	42.30
09	40.00	45.20	47.30
10	45.00	50.20	52.30
11	50.00	55.20	57.30
12	55.00	60.20	62.30
13	60.00	65.20	67.30
14	65.00	70.20	72.30
15	70.00	75.20	77.30
16	75.00	80.20	82.30



"Due to technical progress, all design, specification and components are subject to change without notice".

HEADER
HORIZONTAL PTH

RAST 5 90°

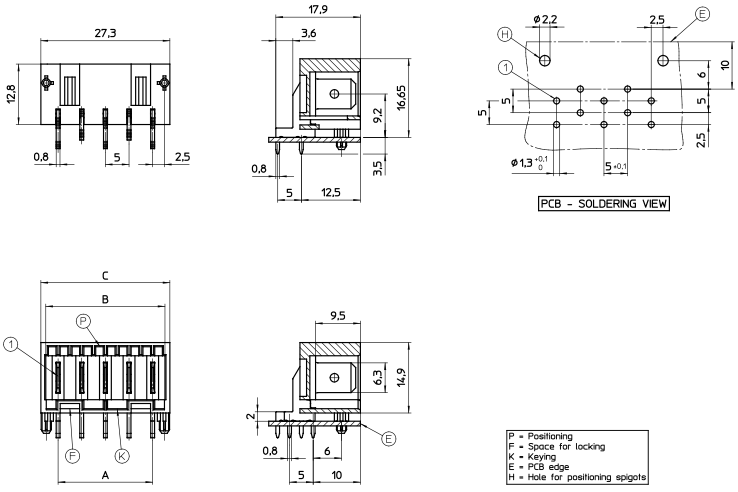
Features	PCB male header, 90°, pitch 5 mm
Material	Insulator: PA 66 UL-V0 GWT-compliant Contact: Brass Tin Plated
Electrical	Current rating: 10 A Dielectric withstanding: 250 V Insulation resistance: 1000 Ω mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -30 °C to 120 °C

Product Code

A	B	C	D	E	F
CTR1	P5	xx	SQ	Vyy	NA

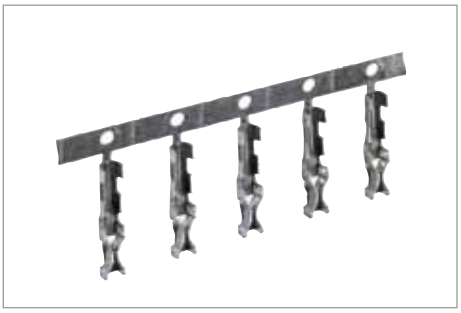
C	Number of contacts from 02 to 12
D	SQ: 90° version
E	Different version, depending on P-F-K
F	NA: Natural colour of the plastic body

Position	A	B	C
02	5.00	10.20	12.30
03	10.00	15.20	17.30
04	15.00	20.20	22.30
05	20.00	25.20	27.30
06	25.00	30.20	32.30
07	30.00	35.20	37.30
08	35.00	40.20	42.30
09	40.00	45.20	47.30
10	45.00	50.20	52.30
11	50.00	55.20	57.30
12	55.00	60.20	62.30



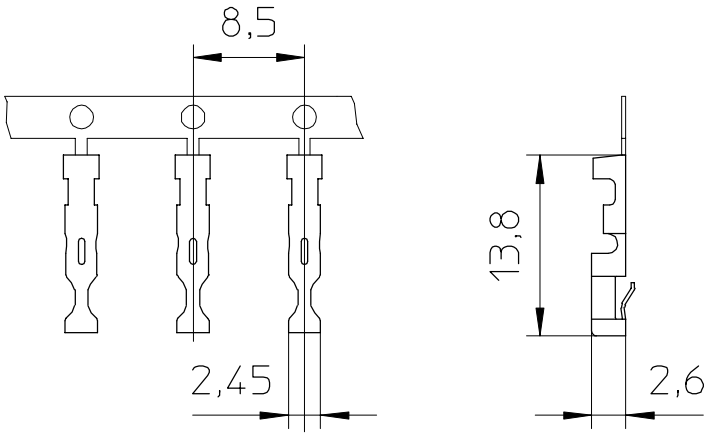
"Due to technical progress, all design, specification and components are subject to change without notice".

CT84SN



Features	Double wipe contact use with BS95 Housing awg 30-16
Material	Double wipe contact use with BS442 Housing
Electrical	Current rating: 4 A
Mechanical	Temperature rating: -30 °C to 85 °C
Packaging	Reel 10.000 pcs

Product Code	
A	
CT84SN	



“Due to technical progress, all design, specification and components are subject to change without notice”.

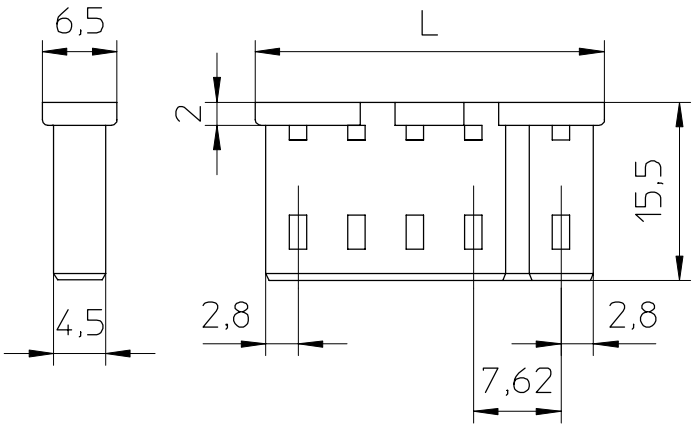
BS95

Features	Single row housing, use with ct84 contact mates with CFM 5.08 Header
Material	PPOM UL94V1 Gray colour
Electrical	Voltage 320V
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

A	B	C
BS95	/x	GR

B	Number of contacts from 02 to 08



2A L=15,1
3A L=20,2
4A L=25,3
5A L=30,4
6A L=35,5
7A L=40,5
8A L=45.6

“Due to technical progress, all design, specification and components are subject to change without notice”.

CFM

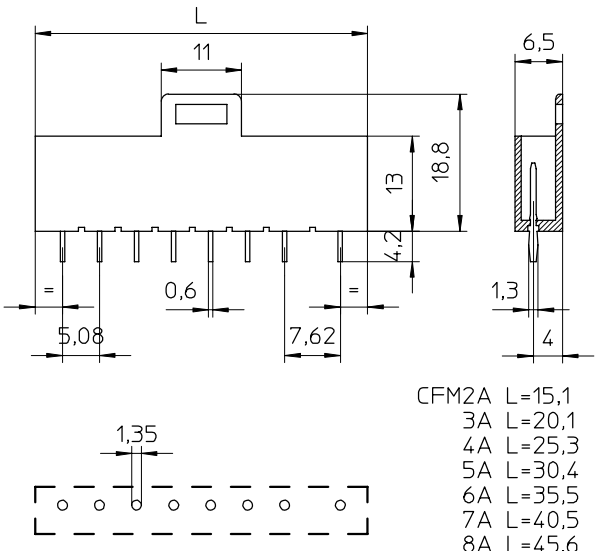
Features	Friction lock single row header, mates with BS95
Material	PA UL94VO
Electrical	Voltage 320 V Current rating 4A
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

A	B	C	D
CFM	/xx	x	GR

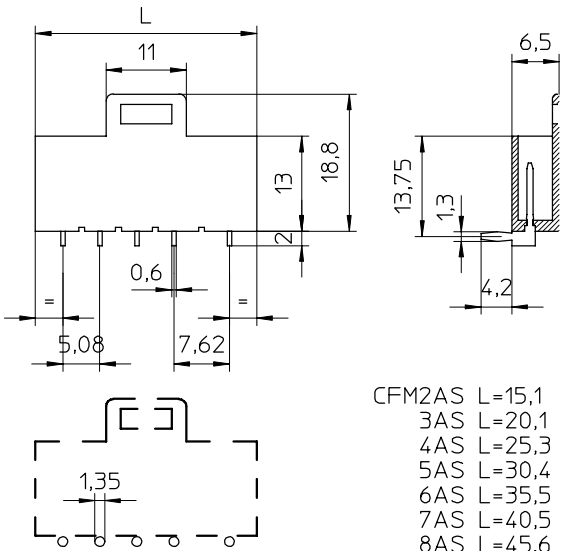
B	Number of contacts from 02 to 08
C	A: straight AS: right angle

Version A



CFM2A L=15,1
3A L=20,1
4A L=25,3
5A L=30,4
6A L=35,5
7A L=40,5
8A L=45,6

Version AS



CFM2AS L=15,1
3AS L=20,1
4AS L=25,3
5AS L=30,4
6AS L=35,5
7AS L=40,5
8AS L=45,6

“Due to technical progress, all design, specification and components are subject to change without notice”.

CQ

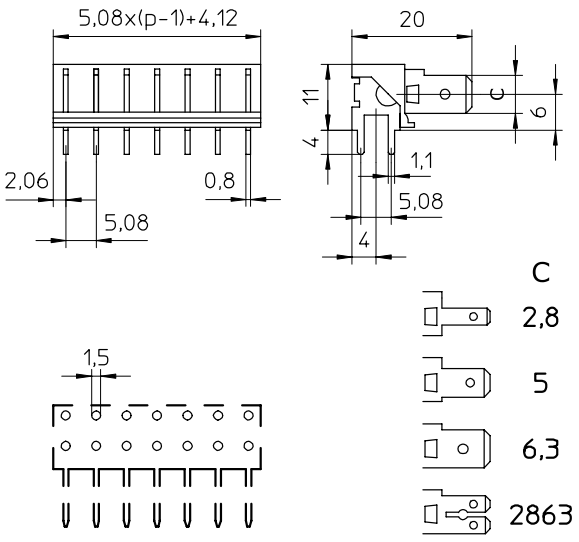
Features	Fast - on header 5.08 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 200 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

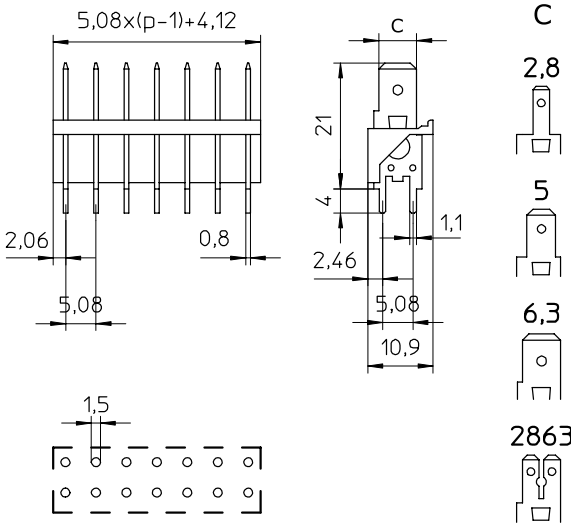
A	B	C	D
CQx	/Ax	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 17
C	Terminal shape (see drawing)

Version Q



Version S



“Due to technical progress, all design, specification and components are subject to change without notice”.

CQ

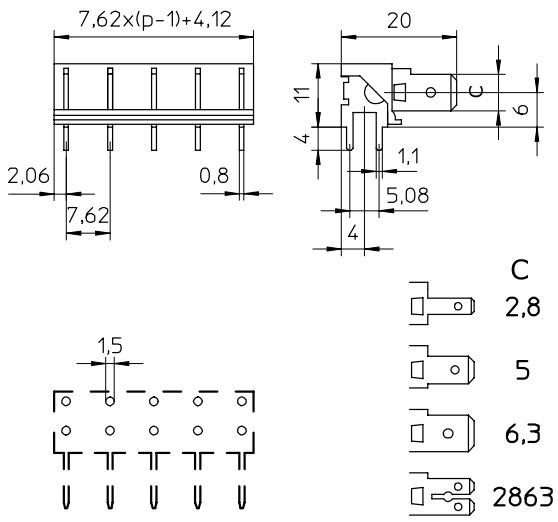
Features	Fast - on header 7.62 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 320 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

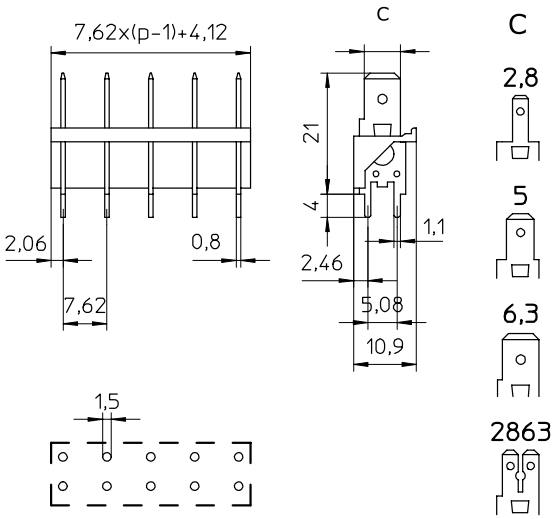
A	B	C	D
CQx	/Bx	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 11
C	Terminal shape (see drawing)

Version Q



Version S



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CQ

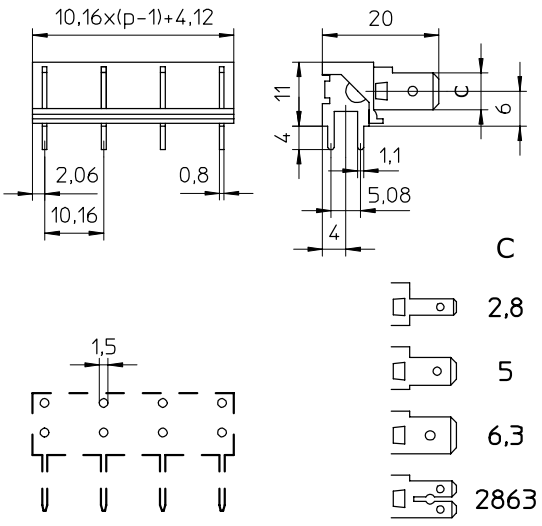
Features	Fast - on header 10.16 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 500 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

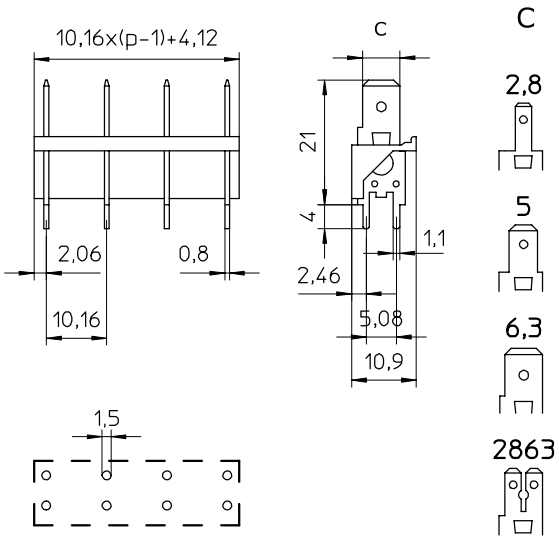
A	B	C	D
CQx	/Cx	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 09
C	Terminal shape (see drawing)

Version Q



Version S



“Due to technical progress, all design, specification and components are subject to change without notice”.

CQ

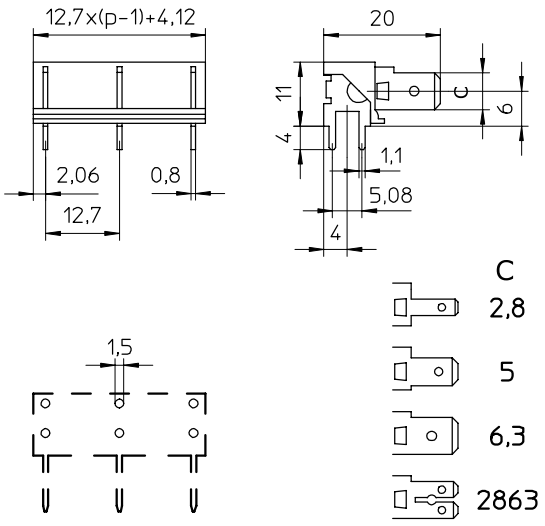
Features	Fast - on header 12.7 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 630 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

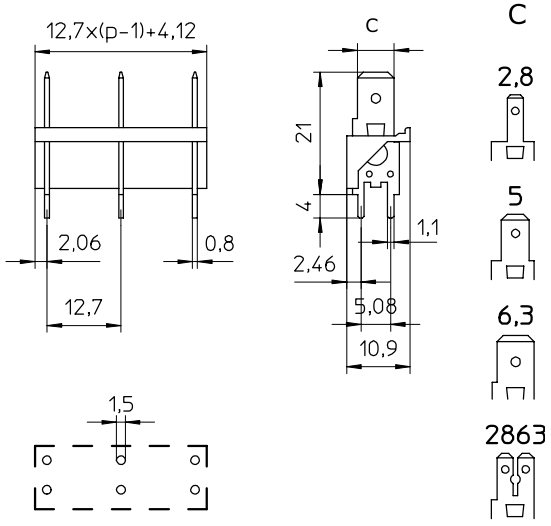
A	B	C	D
CQx	/Dx	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 07
C	Terminal shape (see drawing)

Version Q



Version S



"Due to technical progress, all design, specification and components are subject to change without notice".

CQ

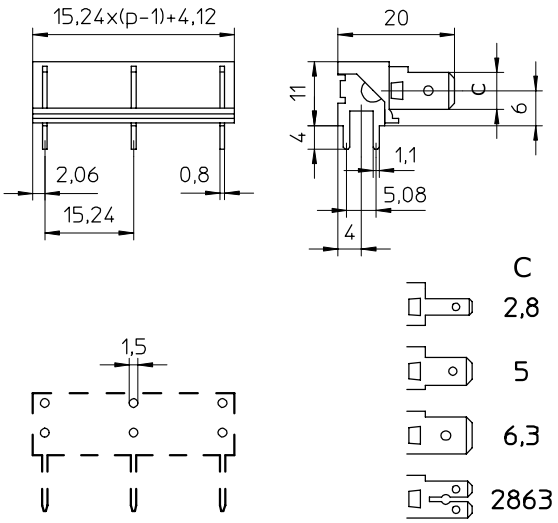
Features	Fast - on header 15.24 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 630 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

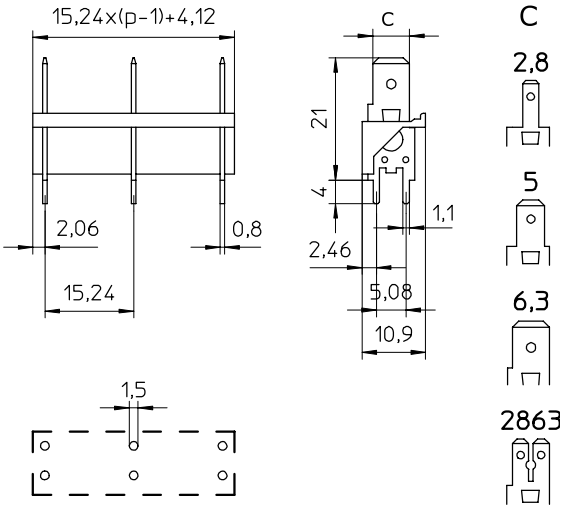
A	B	C	D
CQx	/Ex	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 06
C	Terminal shape (see drawing)

Version Q



Version S



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FFC CONNECTION

Note:

PLATING standard version

Gold 0.25 µm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

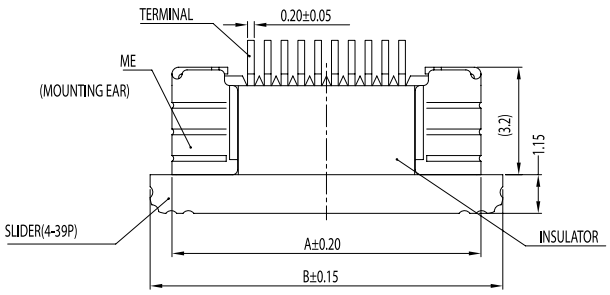
FFC CONNECTOR

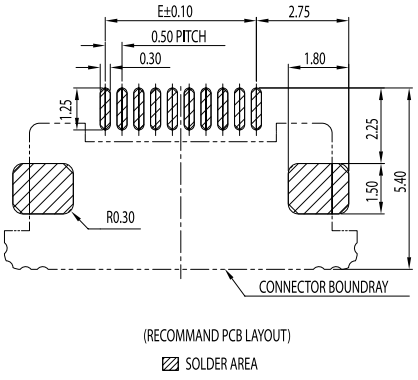
Features	Connector pitch 0.5 mm for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

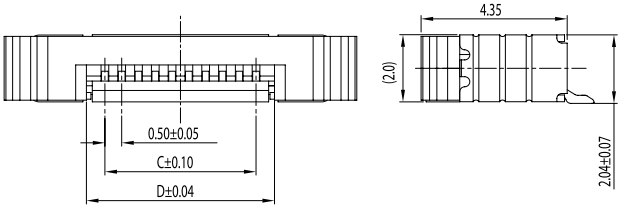
Product Code

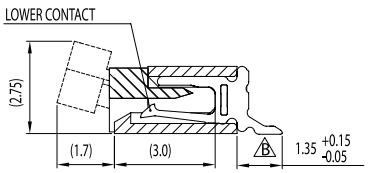
A	B	C	D	E
503	8113	0xx	440	-x

D	Number of contacts from 04 to 39
E	T: Tube packaging R: Tape & Reel packaging









"Due to technical progress, all design, specification and components are subject to change without notice".

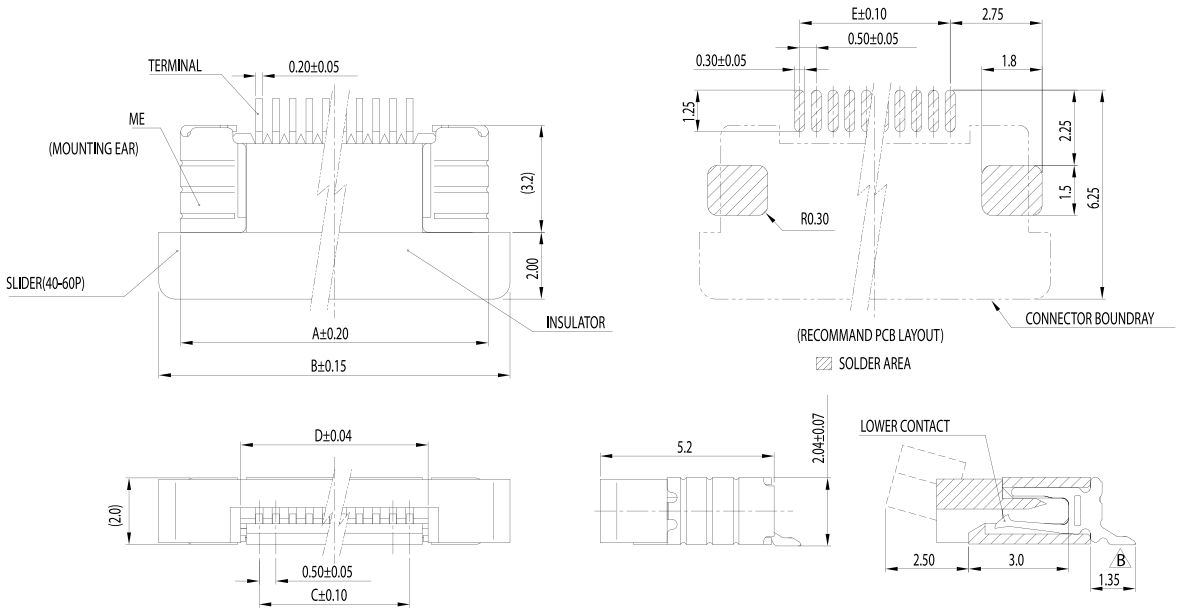
FFC CONNECTOR

Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E
503	8114	0xx	440	-x

D	Number of contacts from 40 to 50
E	T: Tube packaging R: Tape & Reel packaging



“Due to technical progress, all design, specification and components are subject to change without notice”.

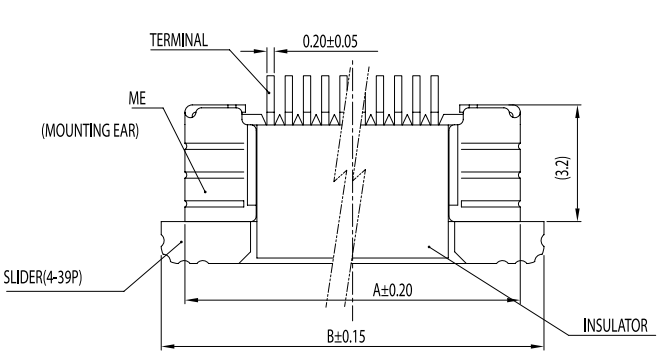
FFC CONNECTOR

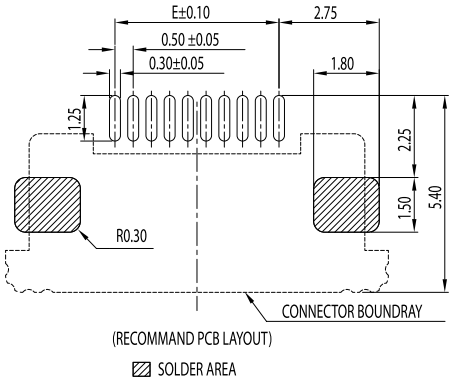
Features	Connector pitch 0.5 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

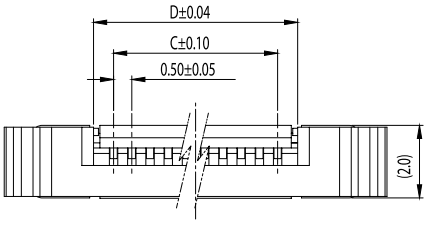
Product Code

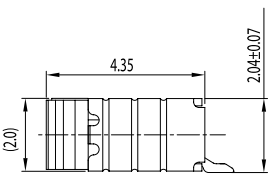
A	B	C	D	E
503	8111	0xx	440	-x

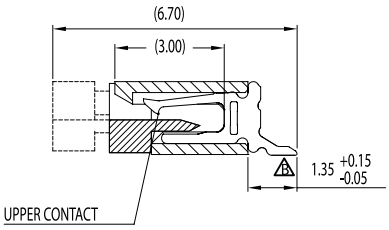
D	Number of contacts from 04 to 39
E	T: Tube packaging R: Tape & Reel packaging











“Due to technical progress, all design, specification and components are subject to change without notice”.

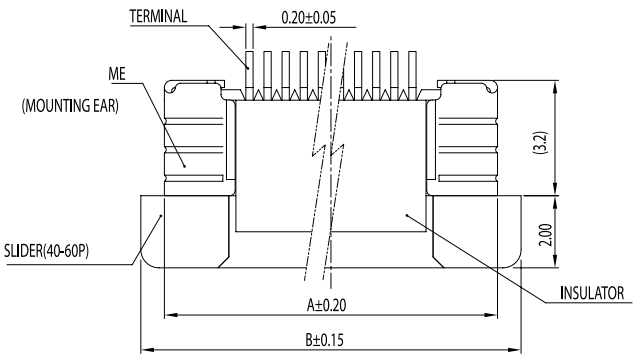
FFC CONNECTOR

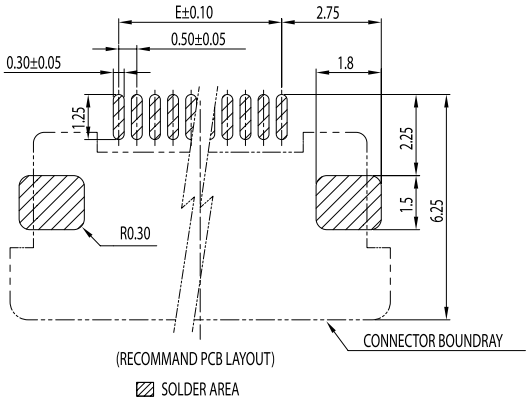
Features	Connector pitch 0.5 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

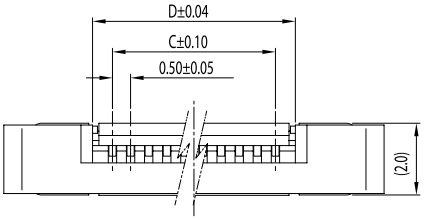
Product Code

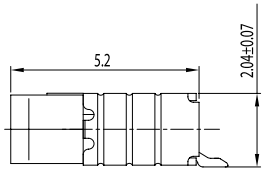
A	B	C	D	E
503	8112	0xx	440	-x

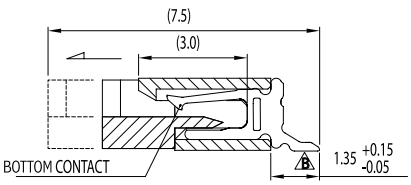
D	Number of contacts from 40 to 50
E	T: Tube packaging R: Tape & Reel packaging











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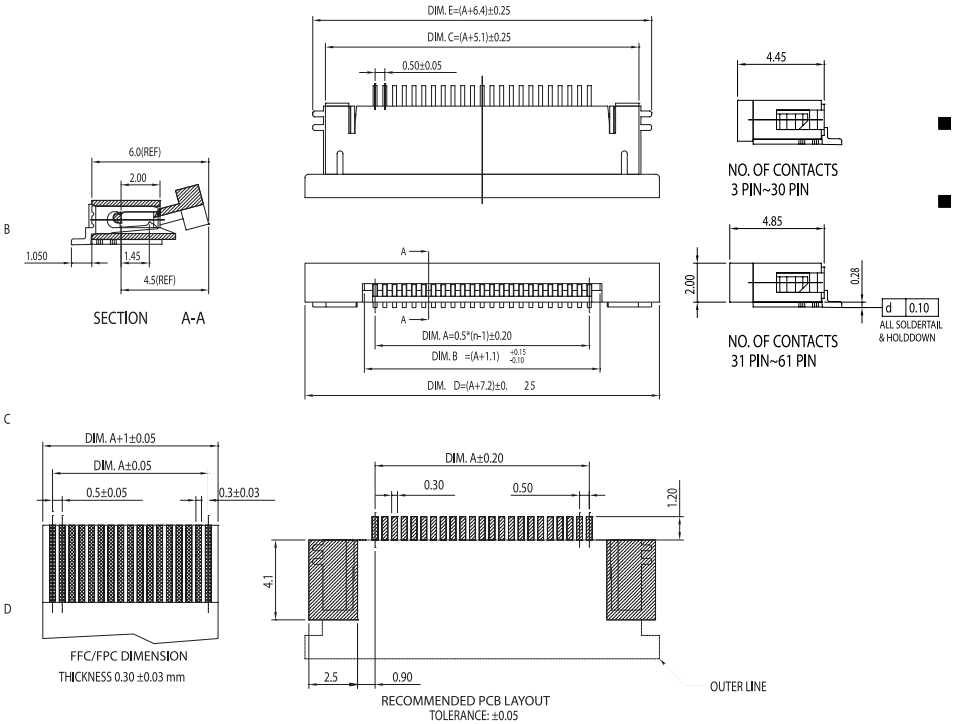
FFC CONNECTOR

Features	Connector pitch 0.5 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Housing: PA 4.6 Actuator: PA9T Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E	F
503	8118	0	xx	440	-x

D	Number of contacts from 04 to 60
E	T: Tube packaging R: Tape & Reel packaging



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FFC

Features	Connector pitch 0.5mm for FFC/FPC
Material	Insulator: LCP Actuator: PPS Contact: Phosphor Bronze Plating: Tin
Electrical	Current rating: 0.5 A AC, DC Voltage rating: 50 V AC, DC Withstand voltage: 200 V/min Insulation resistance: ≥ 500 MΩ Contact resistance: ≤ 0.03 Ω mini
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

Product Code

A	B	C	D
503	8125	0xx	440

C	Number of contacts from 04 to 36

PIN	A	B	C
04	1.5	2.5	7.8
05	2.0	3.0	8.3
06	2.5	3.5	8.8
07	3.0	4.0	9.3
08	3.5	4.5	9.8
09	4.0	5.0	10.3
10	4.5	5.5	10.8
11	5.0	6.0	11.3
12	5.5	6.5	11.8
13	6.0	7.0	12.3
14	6.5	7.5	12.8
15	7.0	8.0	13.3
16	7.5	8.5	13.8
17	8.0	9.0	14.3
18	8.5	9.5	14.8
19	9.0	10.0	15.3
20	9.5	10.5	15.8
21	10.0	11.0	16.3
22	10.5	11.5	16.8
23	11.0	12.0	17.3
24	11.5	12.5	17.8
25	12.0	13.0	18.3
26	12.5	13.5	18.8
27	13.0	14.0	19.3
28	13.5	14.5	19.8
29	14.0	15.0	20.3
30	14.5	15.5	20.8
31	15.0	16.0	21.3
32	15.5	16.5	21.8
33	16.0	17.0	22.3
34	16.5	17.5	22.8
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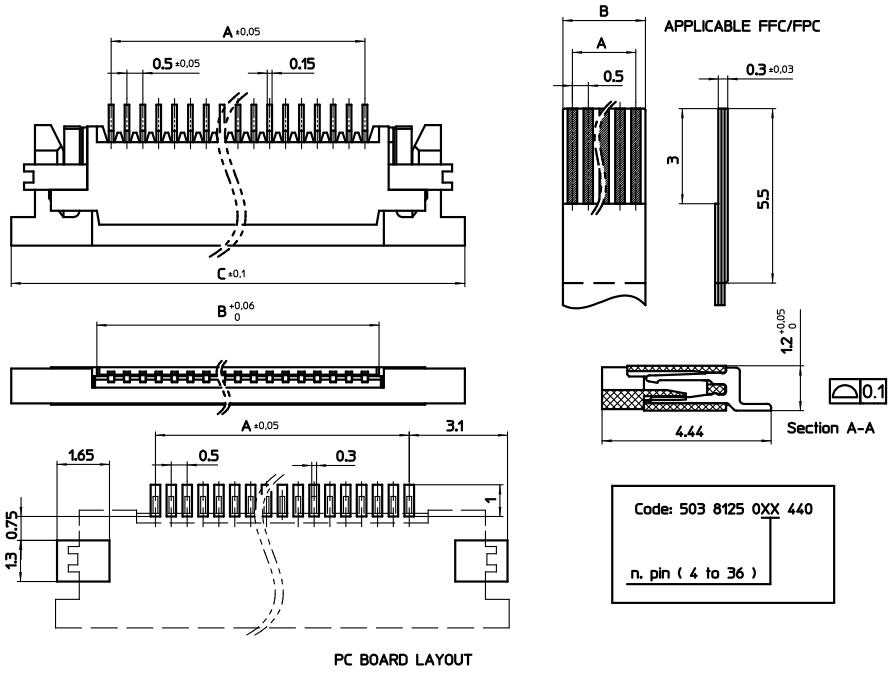
36	17.5	18.5	23.8



"Due to technical progress, all design, specification and components are subject to change without notice".

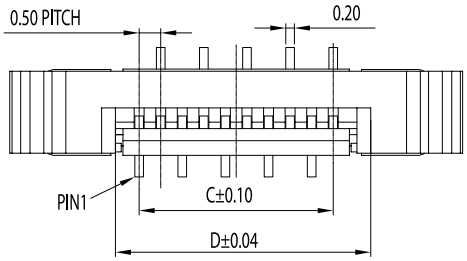
FFC CONNECTOR

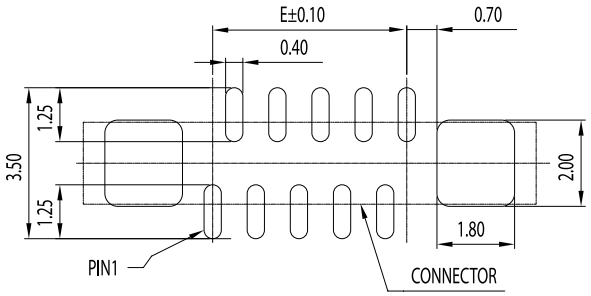
Features	Connector pitch 0.5 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

Product Code

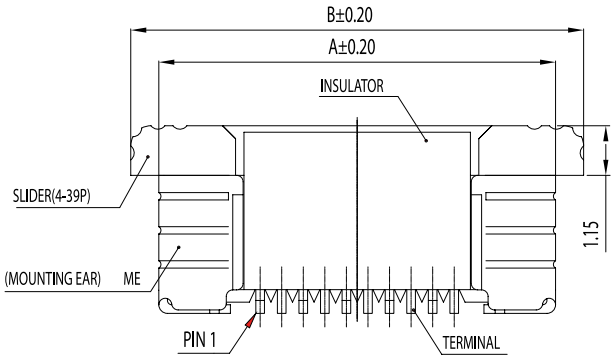
A	B	C	D	E
503	8115	0xx	440	-x

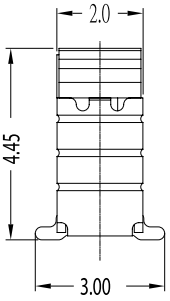
D	Number of contacts from 04 to 39
E	T: Tube packaging R: Tape & Reel packaging

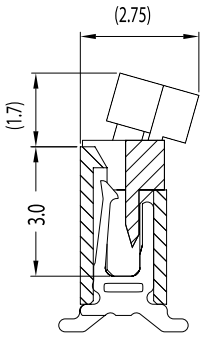




(RECOMMAND PCB LAYOUT)







“Due to technical progress, all design, specification and components are subject to change without notice”.

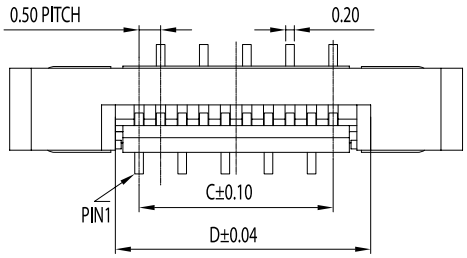
FFC CONNECTOR

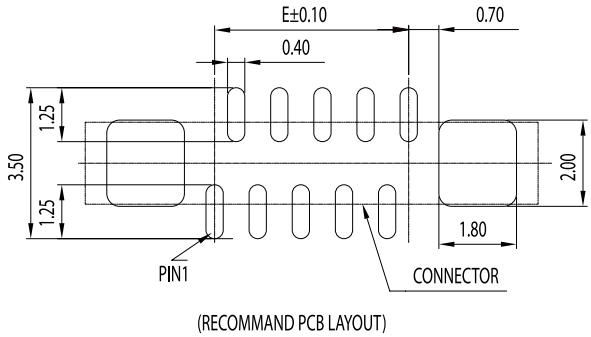
Features	Connector pitch 0.5 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

Product Code

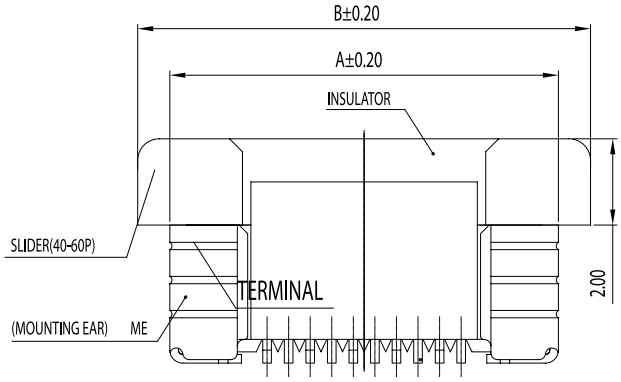
A	B	C	D	E
503	8116	0xx	440	-x

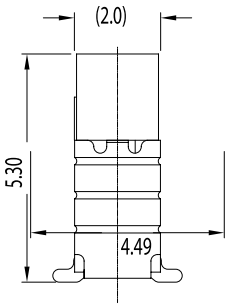
D	Number of contacts from 04 to 50
E	T: Tube packaging R: Tape & Reel packaging

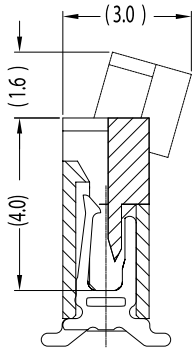




(RECOMMAND PCB LAYOUT)

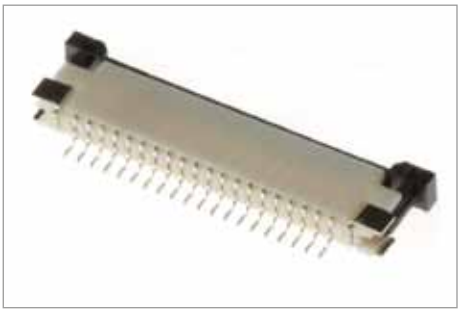






“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CONNECTOR

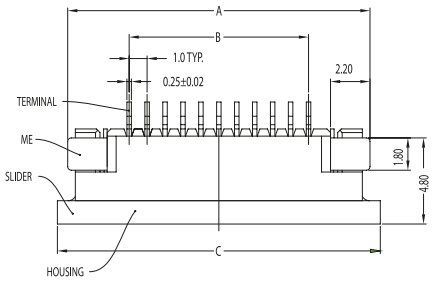


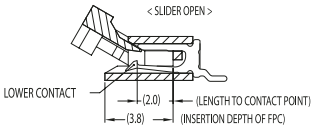
Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: from 0.25 mm to 0.35 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 500 VAC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

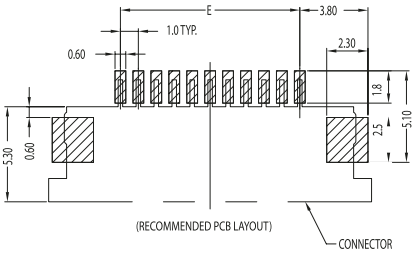
Product Code

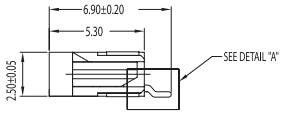
A	B	C	D	E
503	8121	9xx	440	-x

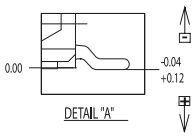
D	Number of contacts from 04 to 34
E	T: Tube packaging R: Tape & Reel packaging

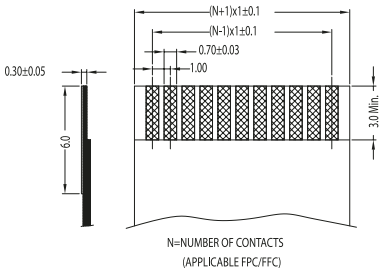






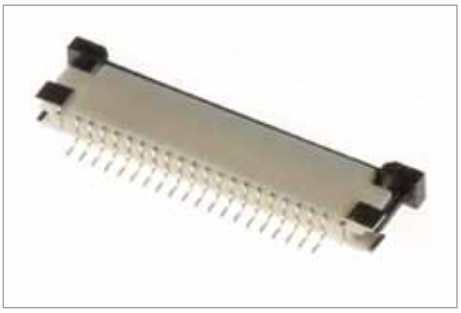






"Due to technical progress, all design, specification and components are subject to change without notice".

FFC CONNECTOR

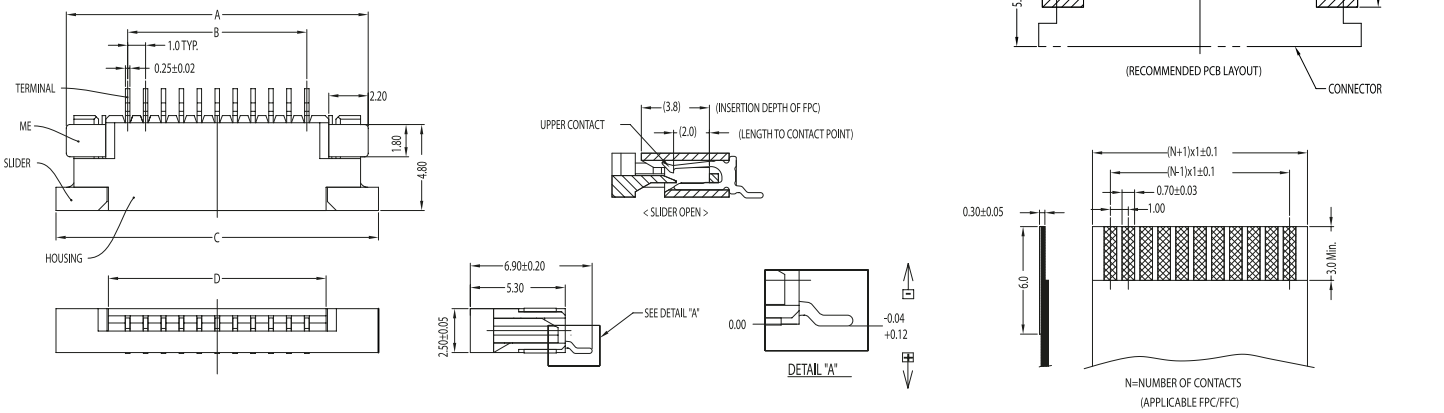


Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: from 0.25 mm to 0.35 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 500 VAC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

Product Code

A	B	C	D	E
503	8122	9xx	440	-x

D	Number of contacts from 04 to 34
E	T: Tube packaging R: Tape & Reel packaging



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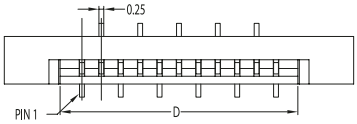
FFC CONNECTOR

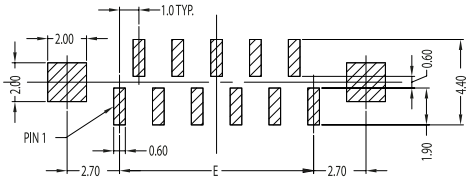
Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: from 0.25 mm to 0.35 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 500 VAC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

Product Code

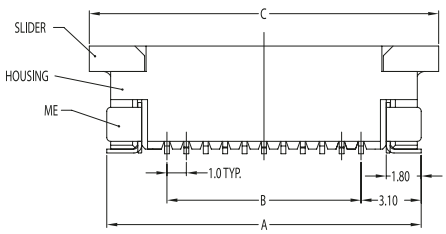
A	B	C	D	E
503	8120	9xx	44x	-x

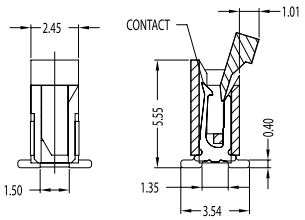
C	Number of contacts from 04 to 34
D	See drawing
E	T: Tube packaging R: Tape & Reel packaging

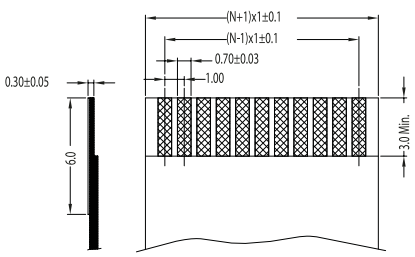




(RECOMMENDED PCB LAYOUT)







N=NUMBER OF CONTACTS
(APPLICABLE FPC/FFC)

"Due to technical progress, all design, specification and components are subject to change without notice".

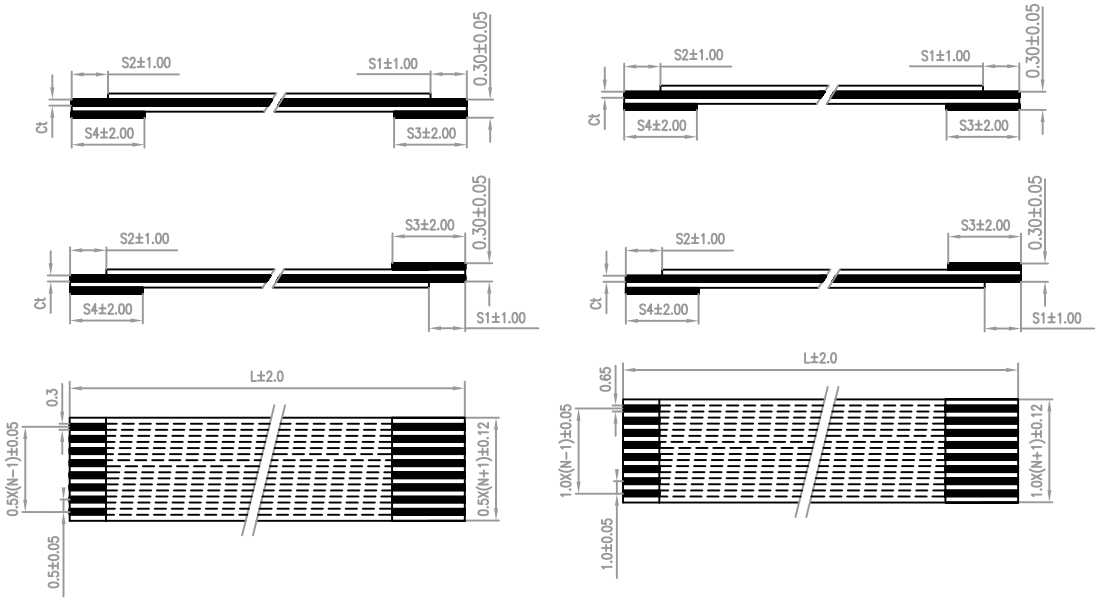
FFC

Material	Insulator: Flame retardant polyester Conductor: Copper Supporting tape: Flame retardant polyester
Electrical	Current rating: 1A Voltage: depending the UL style
Mechanical	Operating Temperature: -20 °C to 85 °C

Product Code

A	B	C	D	E	F	G	H
GK	xxxx	xx	2	x	x	x	BBEE

B	Total length: in mm (minimum 0050)
C	Number of coductors
E	Pitch 1: 0.5 mm 2: 1 mm
F	Connection side 3: same side 4: opposite side
G	1: UI standard 2896 (80°c/30v) 2: UI standard 20624 (80°c/60v) 5: UI standard 20783 (105°c/60v)



"Due to technical progress, all design, specification and components are subject to change without notice".

I/O

Note:

PLATING standard version

Gold 0.25 µm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

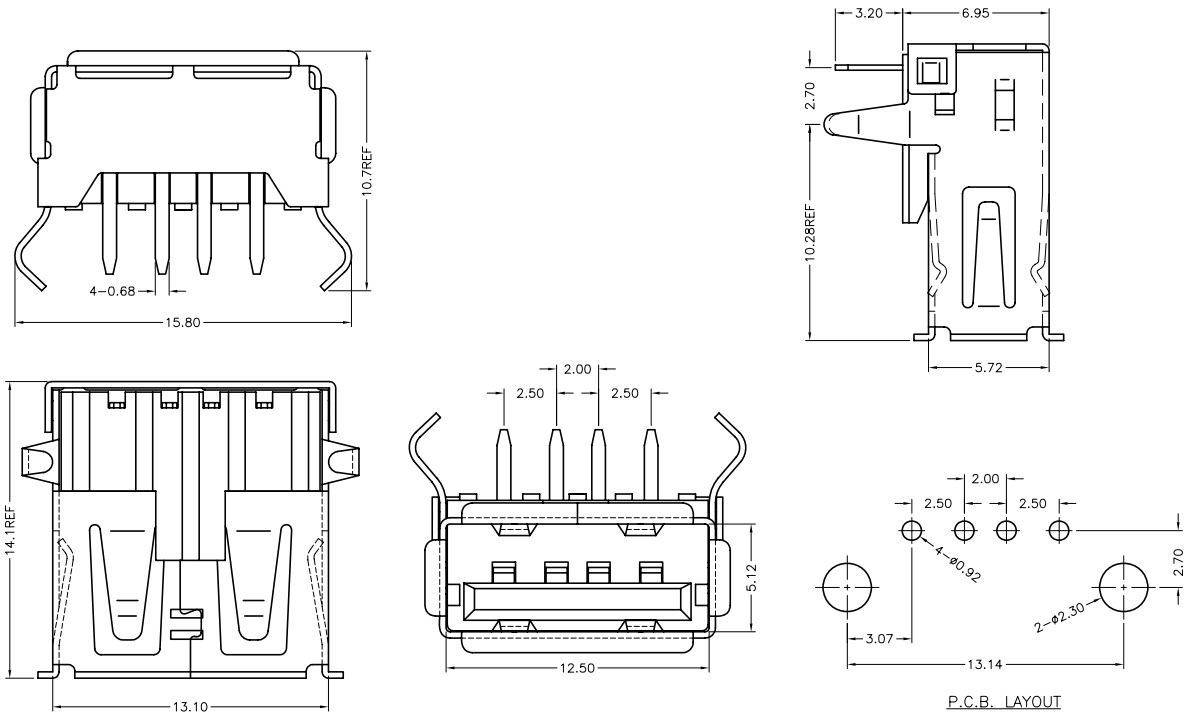
T&R
T&R + Cap
Tube + Cap

USB A TYPE

Features	TH fitting nails
Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC Current: 1 A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tray, Tube or Tape & Reel

Product Code

A	B	C	D
504	7902	004	410



"Due to technical progress, all design, specification and components are subject to change without notice".

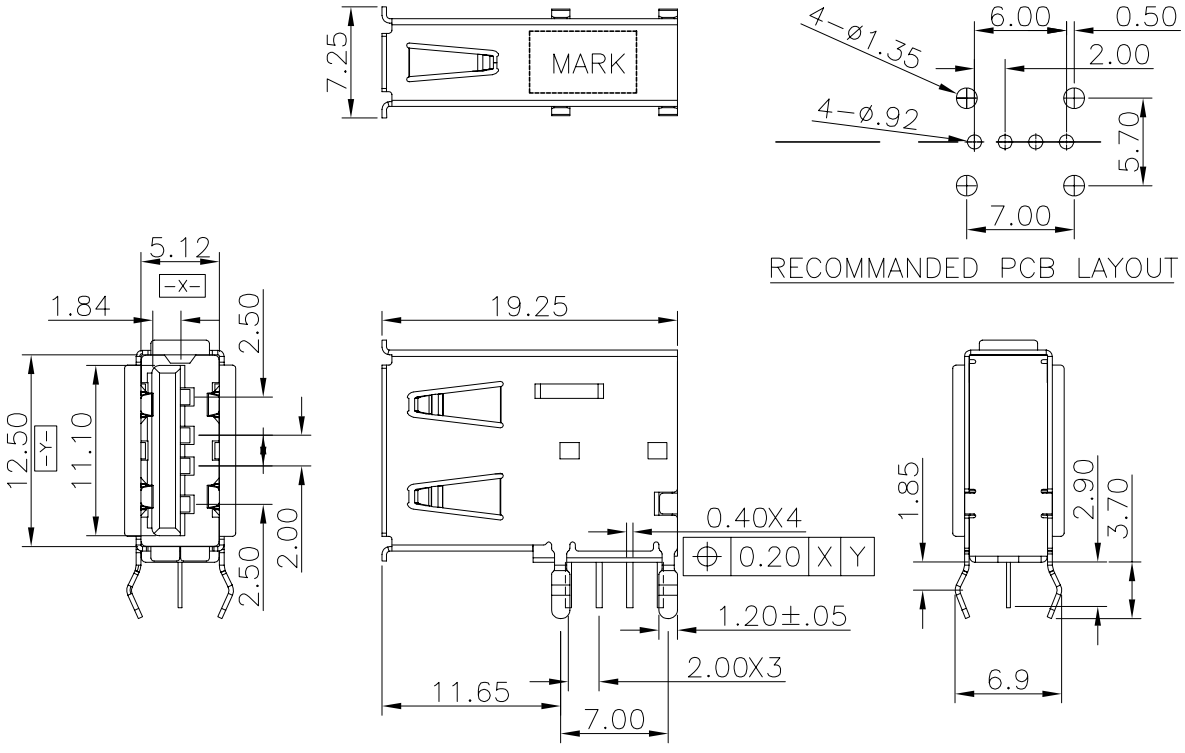
USB A TYPE

Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Brass Nickel plated Contact: Phosphor bronze Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30V AC Current: 1 A Dielectric Withstanding: 500V AC Insulation Resistance: 1000 MΩ mini Contact resistence: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tray, Tube or Tape & Reel

Product Code

A	B	C	D	E
504	7907	004	41x	-x

C	Packaging Leave blank for tray T: Tube TR: Tape & Reel
E	Packaging Leave blank for tray T: Tube



“Due to technical progress, all design, specification and components are subject to change without notice”.

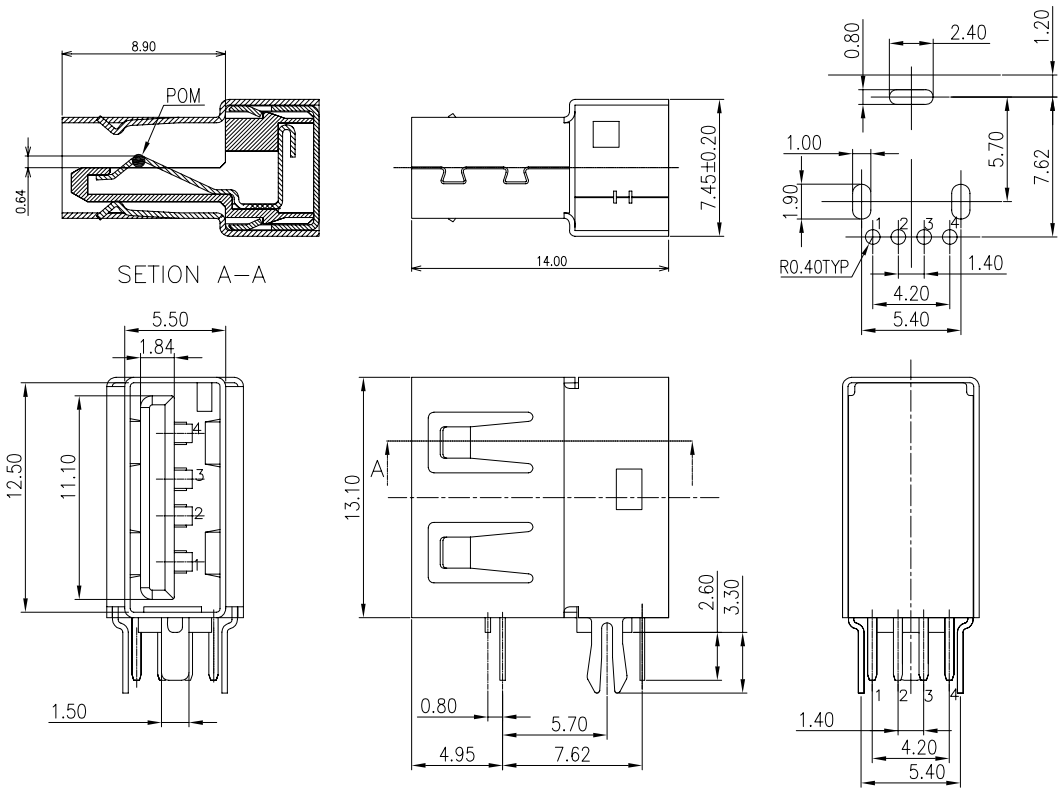
USB A TYPE

Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Brass Nickel plated Contact: Phosphor bronze Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30V AC Current: 1 A Dielectric Withstanding: 500 V AC Insulation Resistance: 1000 MΩ mini Contact resistence: 30 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray

Product Code

A	B	C	D
504	7905	004	41x

D	Colour 0: White 1: Black



“Due to technical progress, all design, specification and components are subject to change without notice”.

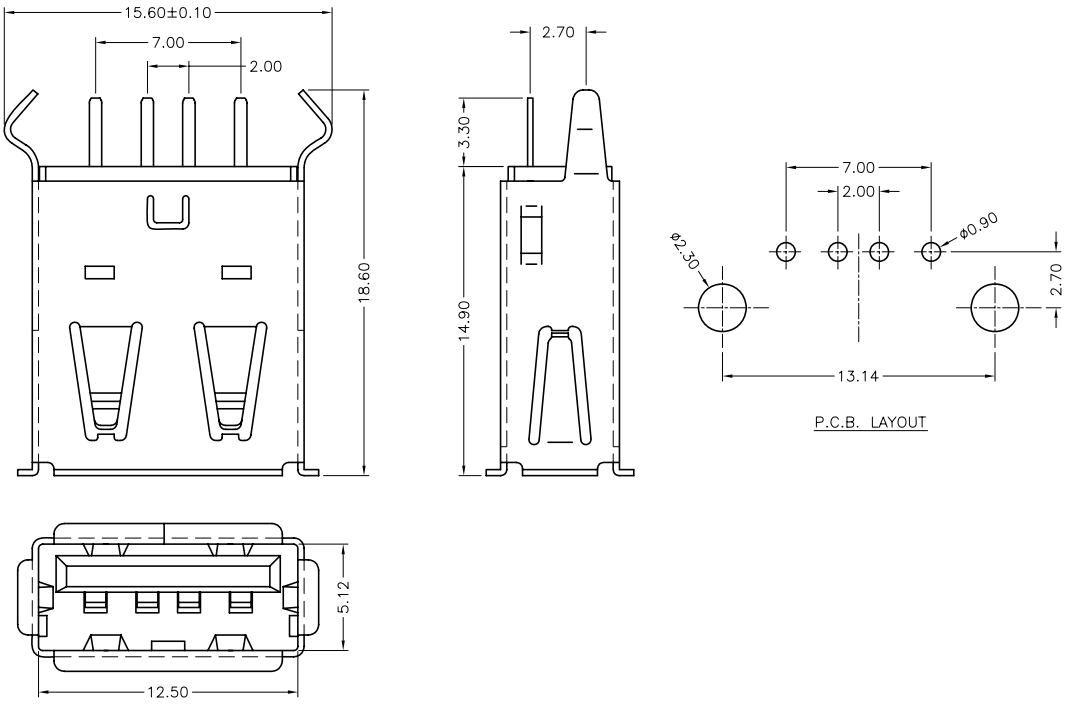
USB A TYPE

Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC Current: 1 A Dielectric Withstanding: 750 V AC Insulation Resistance: 1000 MΩ mini Contact resistence: 30 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray

Product Code

A	B	C	D
504	7903	004	41x

D	Colour 0: White 1: Black



“Due to technical progress, all design, specification and components are subject to change without notice”.

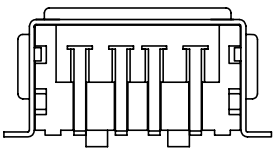
USB A TYPE

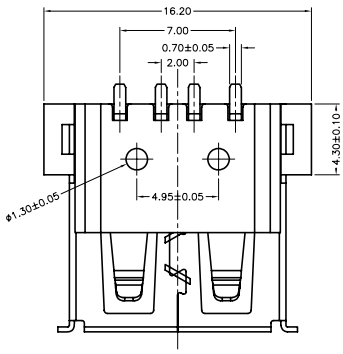
Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC Current: 1 A Dielectric Withstanding: 500 V AC Insulation Resistance: 1000 MΩ mini Contact resistence: 30 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray

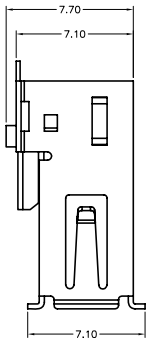
Product Code

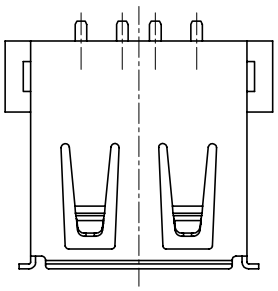
A	B	C	D
504	7904	004	41x

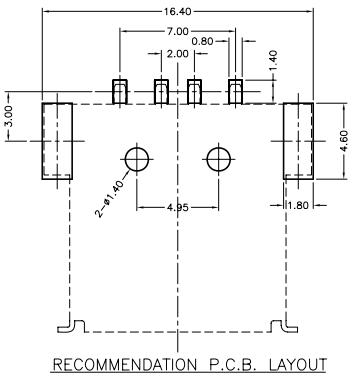
D	Colour 0: White 1: Black

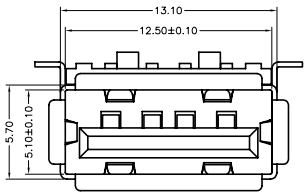












“Due to technical progress, all design, specification and components are subject to change without notice”.

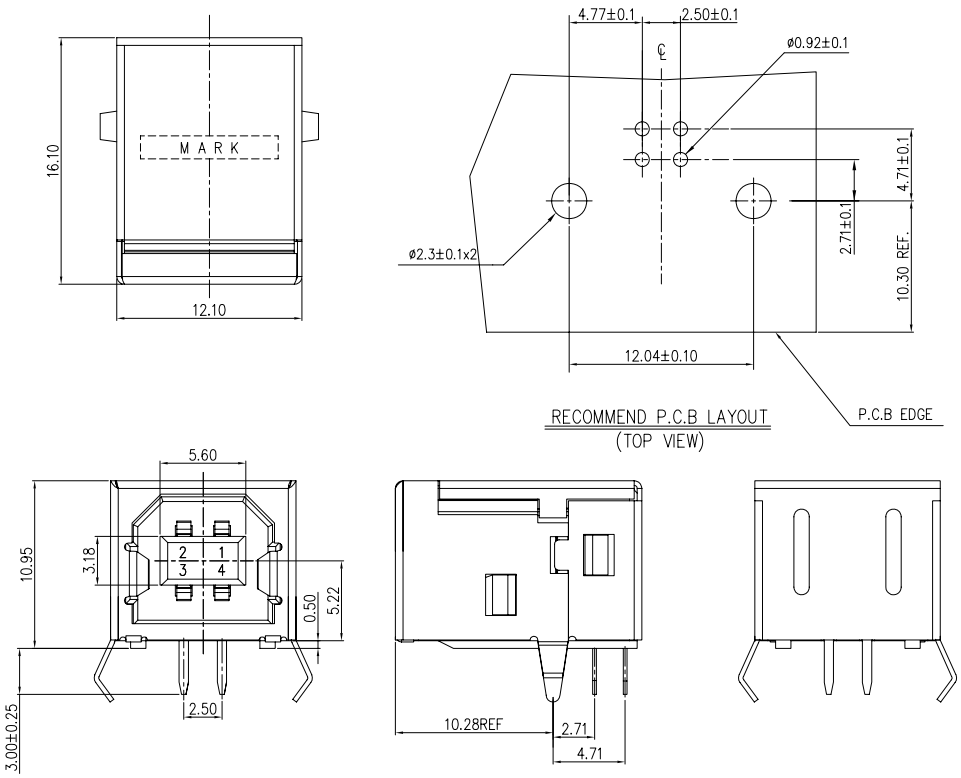
USB B TYPE

Material	Insulator: Thermoplastic, glass fiber fileld UL 94V0 Shell: Brass, Nickel plated Contact: Phosphore Bronze Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 VAC Current: 1 A Dielectric Withstanding: 750 V AC Insulation Resistance: 1000 MΩ mini Contact resistence: 30 mΩ max
Mechanical	Mating force: 3.57 kg max Unmating force: 1.02 kg min
Packaging	Tray

Product Code

A	B	C	D
504	7901	004	41x

D	Colour 0: White 1: Black



“Due to technical progress, all design, specification and components are subject to change without notice”.

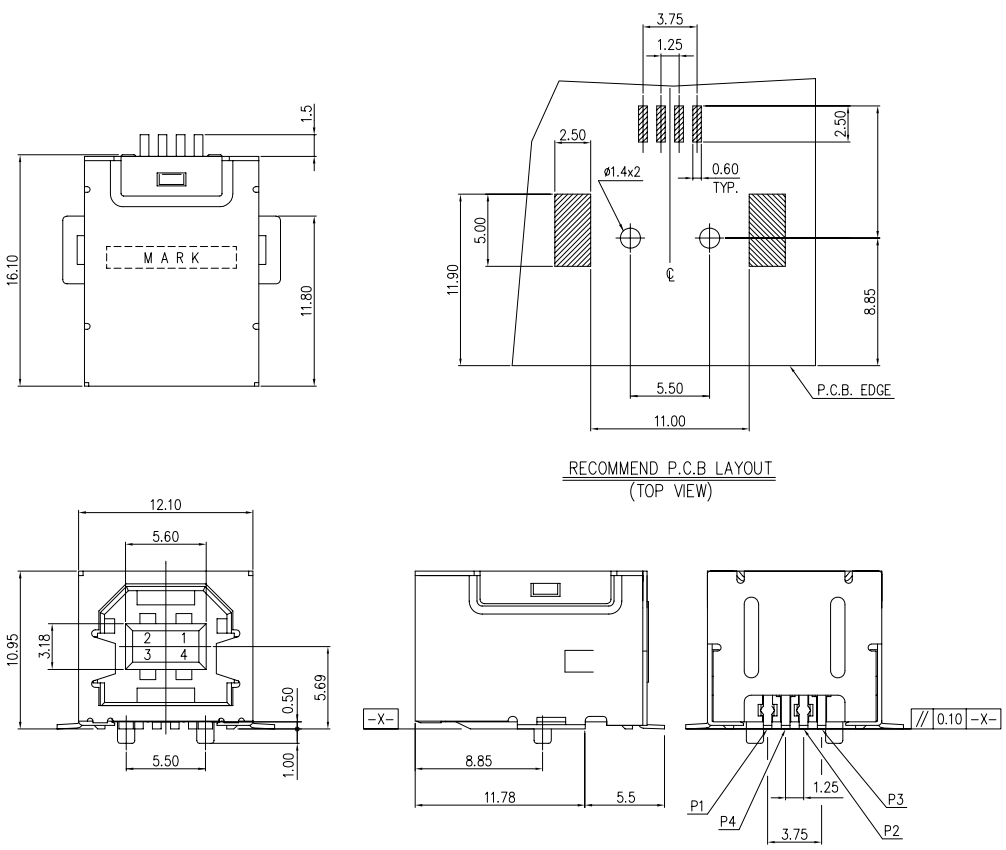
USB B TYPE

Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Brass Nickel plated Contact: Phosphor bronze Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC Current: 1 A Dielectric Withstanding: 500 V AC Insulation Resistance: 1000 MΩ mini Contact resistence: 30 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C

Product Code

A	B	C	D	E
504	7906	004	41x	-x

D	Colour 0: White 1: Black
E	Packaging Leave blank for tray T: Tube TR: Tape & Reel



"Due to technical progress, all design, specification and components are subject to change without notice".

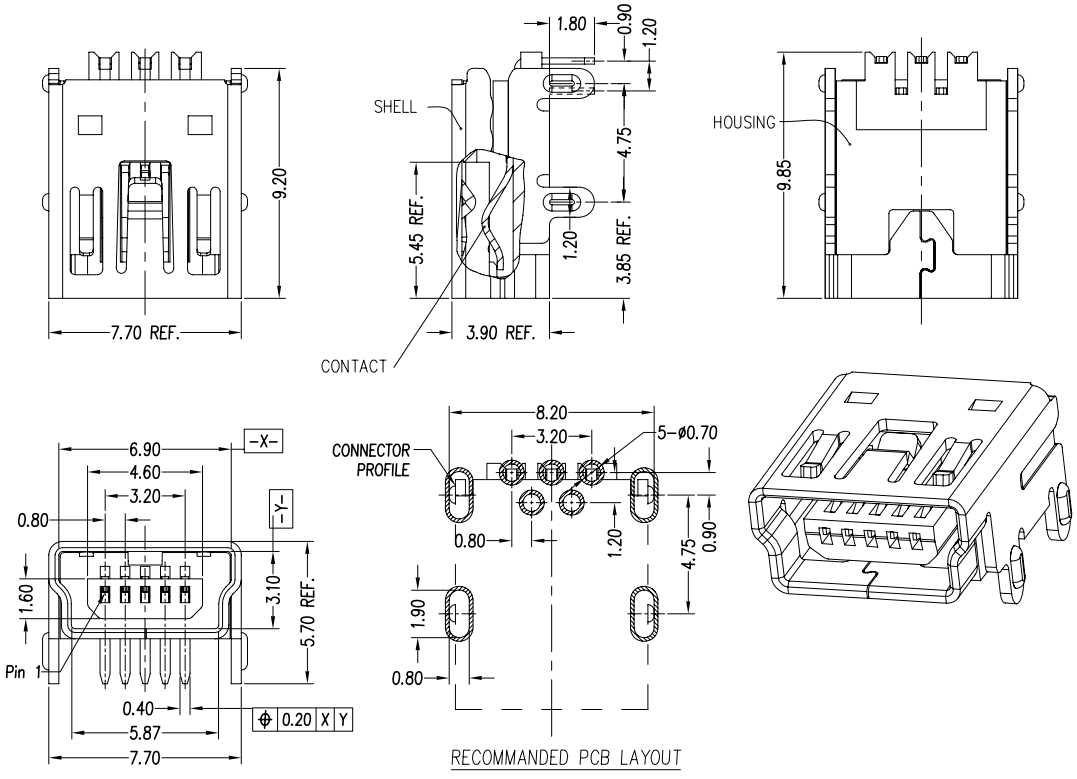
MINI USB

Material	Insulator: Thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray, Tube or Tape & Reel

Product Code

A	B	C	D	E
504	7910	005	410	-x

D	Packaging Leave blank for tray T: Tube TR: Tape & Reel



"Due to technical progress, all design, specification and components are subject to change without notice".

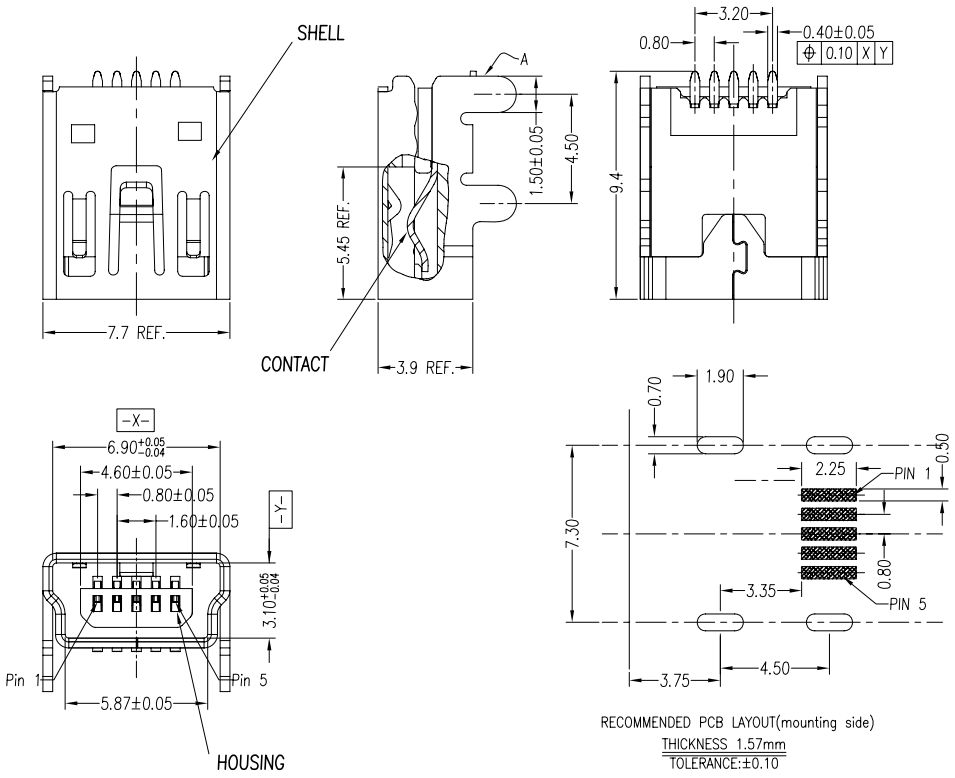
MINI USB

Features	TH fitting nails
Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray, Tube or Tape & Reel

Product Code

A	B	C	D	E
504	7909	005	410	-x

D	Packaging Leave blank for tray T: Tube TR: Tape & Reel



“Due to technical progress, all design, specification and components are subject to change without notice”.

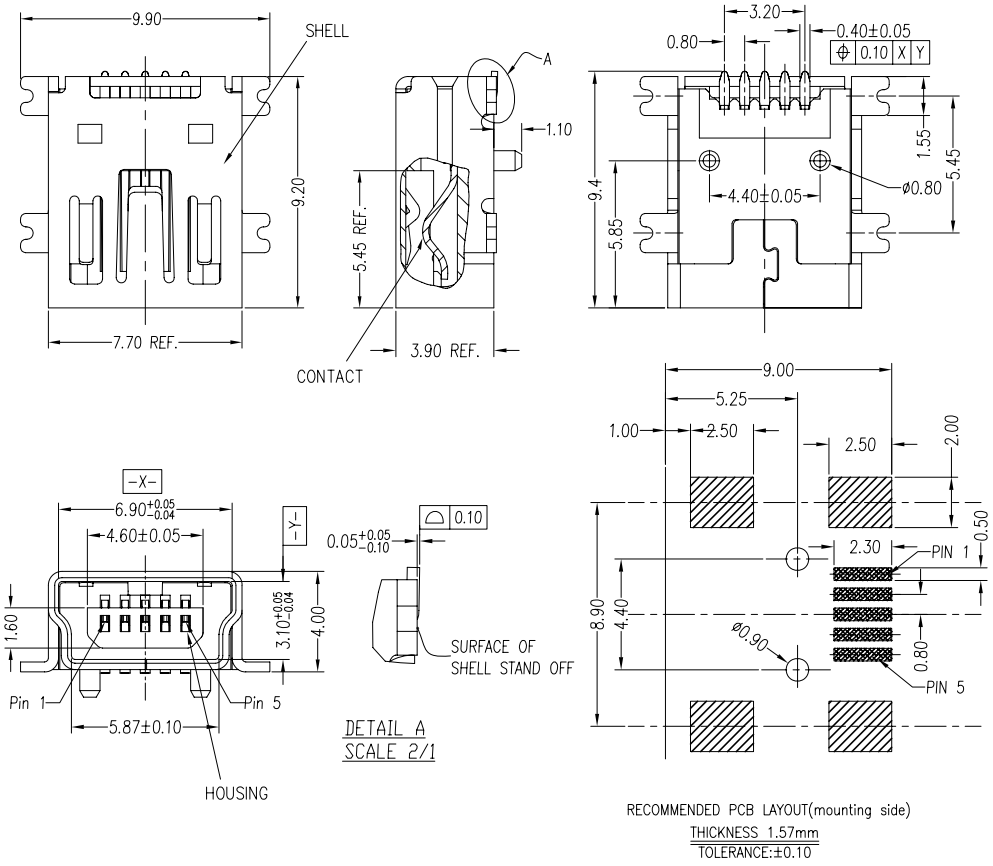
MINI USB

Features	SMT fitting nails
Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray, Tube or Tape & Reel

Product Code

A	B	C	D	E
504	7908	005	410	-x

E	Packaging Leave blank for tray T: Tube TR: Tape & Reel



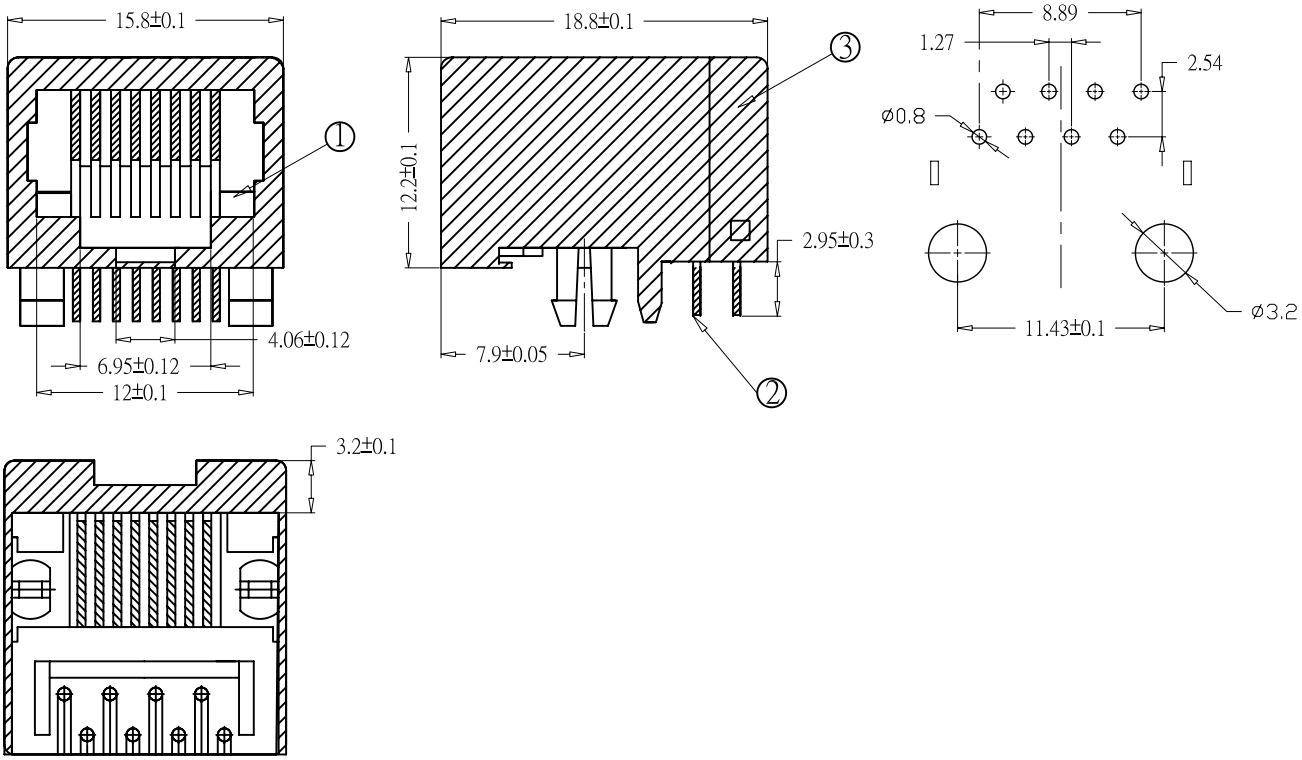
“Due to technical progress, all design, specification and components are subject to change without notice”.

MODULAR JACK

Material	Insulator: 15% glass filled PBT Contact: Phosphor bronze Plating: Gold flash (other plating available upon request)
Electrical	Current rating: 2 A Contact resistance: 35 mΩ maxi Insulation resistance: 100 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 7.7 kg min. between jack and plug Durability: 1000 cycles

Product Code

A	B	C	D
508	7821	088	410



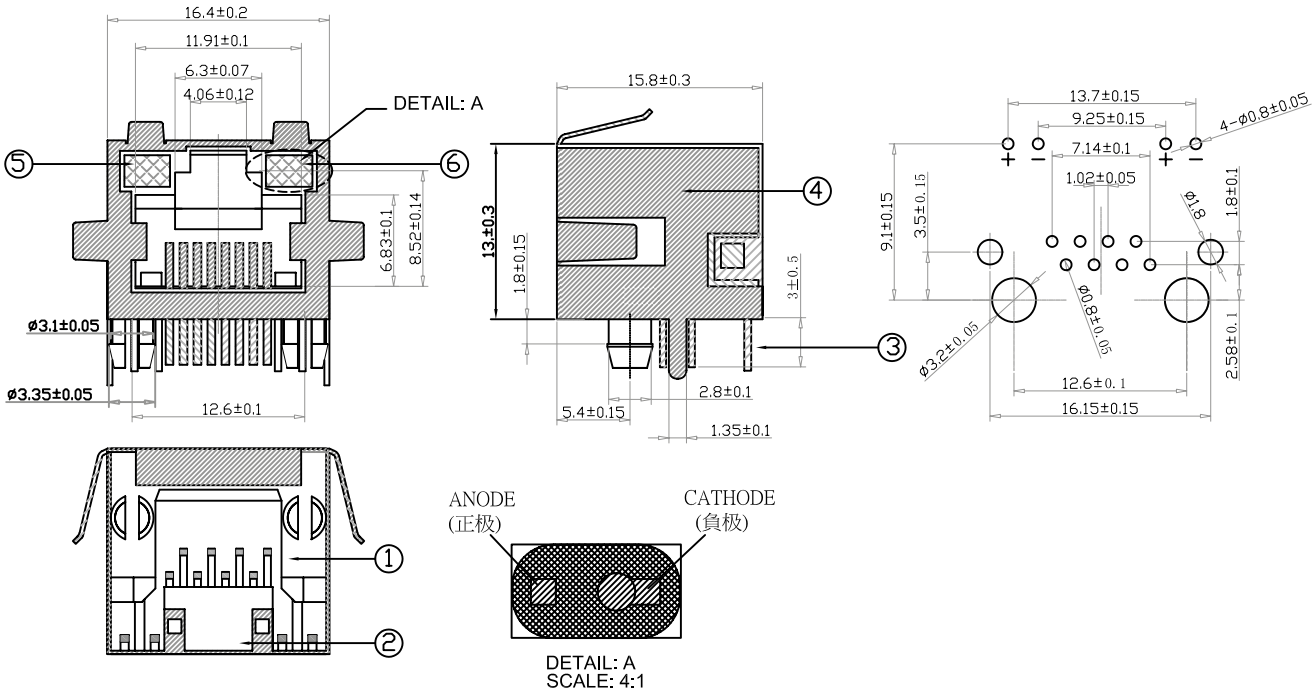
"Due to technical progress, all design, specification and components are subject to change without notice".

MODULAR JACK

Material	Insulator: 15% glass filled PBT Contact: Phosphor bronze Plating: Gold flash (other plating available upon request)
Electrical	Current rating: 2 A Contact resistance: 35 mΩ maxi Insulation resistance: 100 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 7.7 kg min. between jack and plug Durability: 1000 cycles

Product Code

A	B	C	D
508	7820	088	410



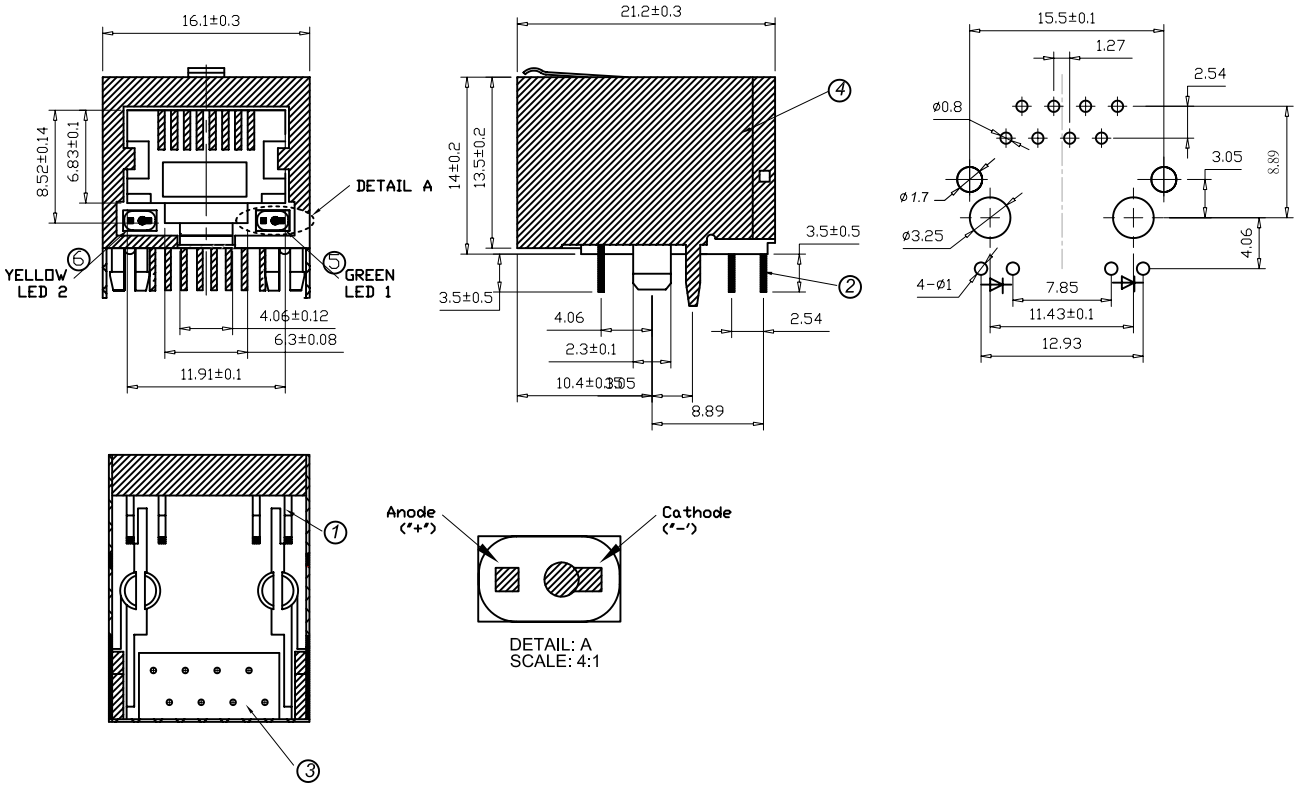
"Due to technical progress, all design, specification and components are subject to change without notice".

MODULAR JACK

Material	Insulator: 15% glass filled PBT Contact: Phosphor bronze Plating: Gold flash (other plating available upon request)
Electrical	Current rating: 2 A Contact resistance: 35 mΩ maxi Insulation resistance: 100 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 7.7 kg min. between jack and plug Durability: 1000 cycles

Product Code

A	B	C	D
508	7823	088	410



"Due to technical progress, all design, specification and components are subject to change without notice".

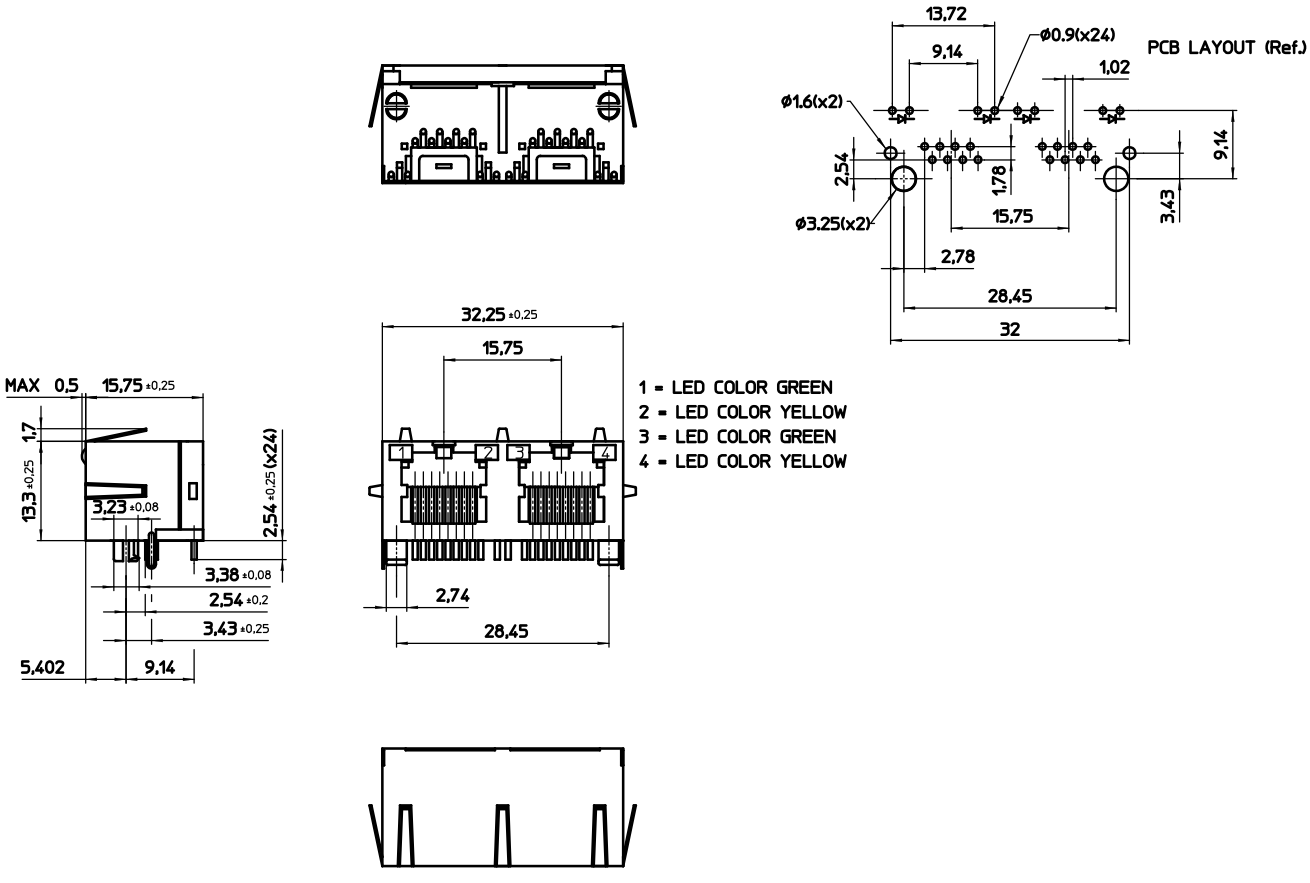
MODULAR JACK

Material	Insulator: Nylon PA46 UL94 V0 Shell: Brass, Nickel plated Contact: Phosphor bronze Plating: Gold flash
Electrical	Current rating: 1 A Contact resistance: 50 mΩ maxi Insulation resistance: 200 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 1.6 kg min. between jack and plug Durability: 750 cycles

Product Code

A	B	C	D
508	7850	088	4Y0

D	Colour 0: Gold plated 15 µm 5: Gold plated 50 µm



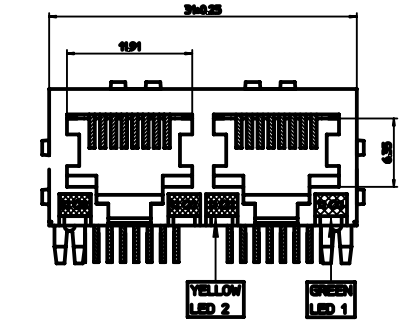
"Due to technical progress, all design, specification and components are subject to change without notice".

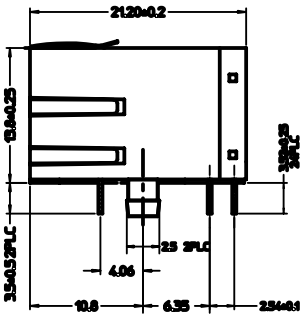
MODULAR JACK

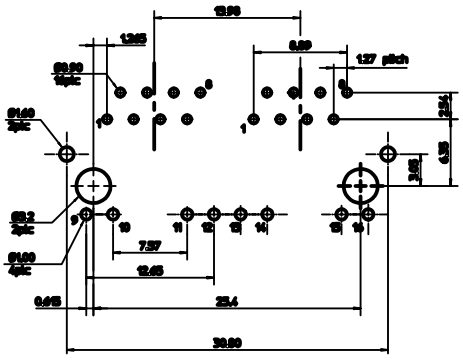
Material	Insulator: Glass Fiber PBT UL94 V0 Shell: Brass, Nickel plated Contact: Phosphor bronze Plating: Gold flash
Electrical	Current rating: 1 A Contact resistance: 50 mΩ maxi Insulation resistance: 200 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 1.6 kg min. between jack and plug Durability: 750 cycles

Product Code

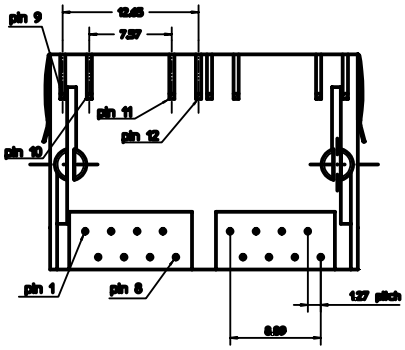
A	B	C	D
508	7851	088	410







RECOMMENDED PCB LAYOUT
RECOMMENDED PCB THICKNESS: 1.6mm
TOLERANCE: ±0.05



“Due to technical progress, all design, specification and components are subject to change without notice”.

TURNED CONNECTORS AND TERMINALS

MALE TEST STRIP

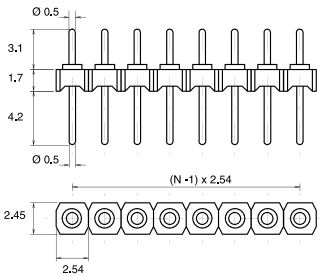
Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

Product Code

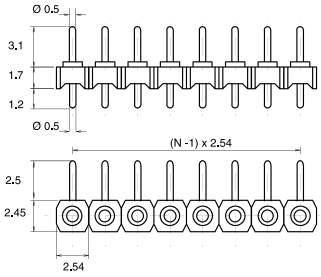
A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
B	Number of pins max
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm

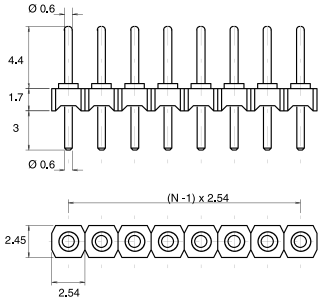
Version	P	nn	Plating	
		(a)	(b)	
331 1594	1	20	500	Au
332 1594	1	20	540	Sn
333 1594	1	20	500	Au
334 1594	1	20	540	Sn
331 0299	1	20	500	Au
332 0299	1	20	540	Sn
331 0300	1	20	500	Au
332 0300	1	20	540	Sn



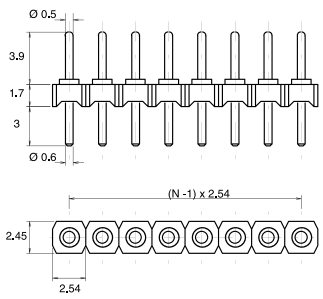
33115941NN500
33215941NN540



33315941NN500
33415941NN540



33X02991NN5X0



33X03001NN5X0

"Due to technical progress, all design, specification and components are subject to change without notice".

MALE TEST STRIP

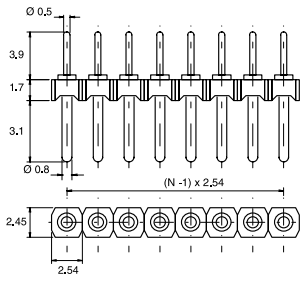
Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

Product Code

A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
B	Number of pins max
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm

Version	P	nn	Plating	
		(a)	(b)	
331 0219	1	20	500	Au
332 0219	1	20	540	Sn
331 0778	1	20	500	Au
332 0778	1	20	540	Sn
330 1940	1	20	500	Au
330 1940	1	20	540	Sn
331 0416	1	20	500	Au
332 0416	1	20	540	Sn



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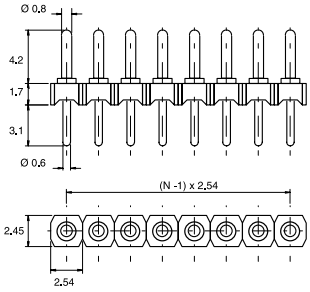

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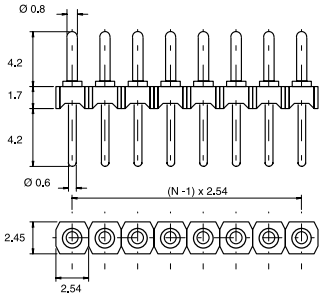
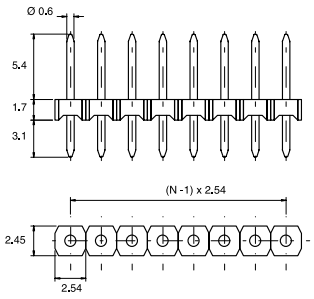


33X19401NN5X0



33X04161NN5X0

"Due to technical progress, all design, specification and components are subject to change without notice".

"U"PINS STRIP

Features Strip Terminal pitch 2.54 mm
Headers breakable to required length
From 2 to 20 positions

Material Housing: Black glass filled Thermoplastic UL 94V0
Temperature rating: -40 °C to 125 °C

Electrical Dielectric withstanding: 1000 V AC
Insulation resistance: 1000 MΩ mini

Packaging Cardboard boxes

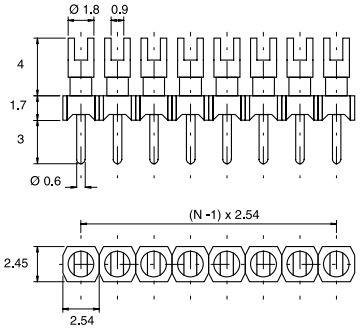
Product Code

A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
B	Number of pins max
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm

Version	P	nn	Plating	
		(a)	(b)	
3310815	1	20	500	Au
3320815	1	20	540	Sn
3310809	1	20	500	Au
3320809	1	20	540	Sn
3310600	1	20	500	Au
3320600	1	20	540	Sn
3310600	*P	20	500	Au
3320600	*P	20	540	Sn

P	1	2	3	4
Pitch	2.54	5.08	7.62	10.16
P	5	6	7	8
Pitch	12.7	15.24	17.78	20.32



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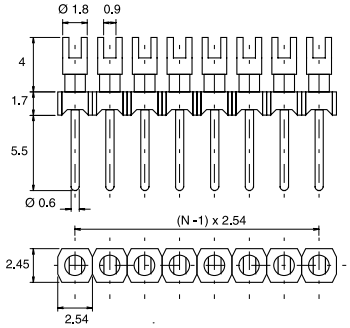

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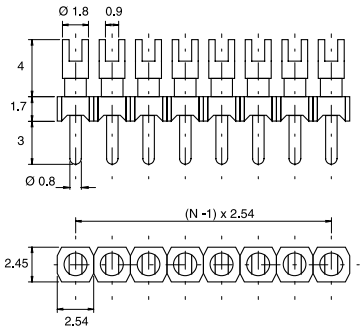

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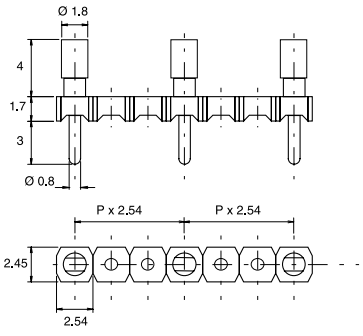


33X0600PNN5X0

"Due to technical progress, all design, specification and components are subject to change without notice".

"U"PINS STRIP

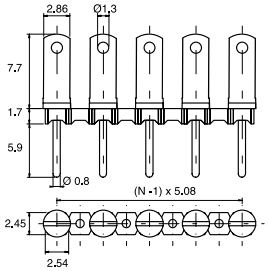
Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

Product Code

A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
B	Number of pins max
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm

Version	P	nn	Plating	
		(a)	(b)	
331 0902	2	20	500	Au
332 0902	2	20	540	Sn
333 0902	2	20	500	Au
334 0902	2	20	540	Sn
332 1422	1	20	541	Sn
331 1422	1	20	541	Sn



33109022NN500
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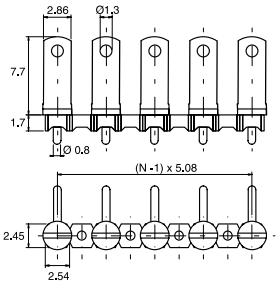

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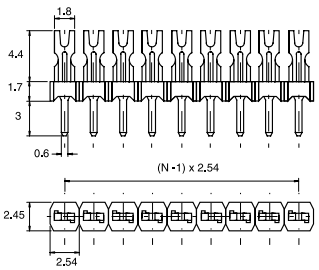
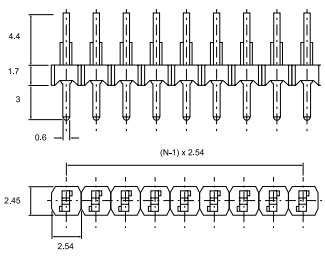


33214221NN541



33214221NN540

"Due to technical progress, all design, specification and components are subject to change without notice".

"U"PINS STRIP

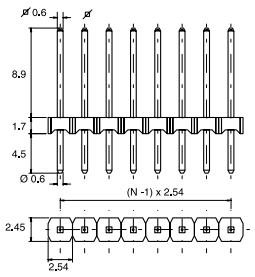
Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

Product Code

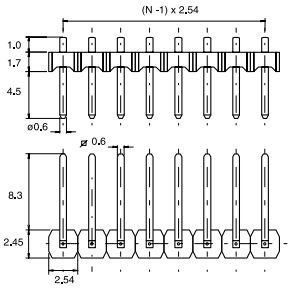
A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
B	Number of pins max
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm

Version	P	nn	Plating	
		(a)	(b)	
381 0435	1	20	500	Au
382 0435	1	20	540	Sn
383 0435	1	20	500	Au
384 0435	1	20	540	Sn
381 0559	1	20	501	Au
382 0559	1	20	541	Sn
381 0576	1	20	501	Au
382 0576	1	20	541	Sn



38104351NN500
38204351NN540



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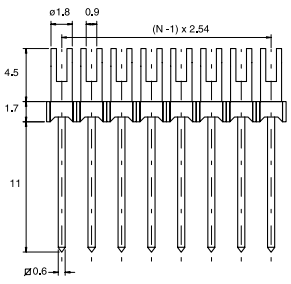

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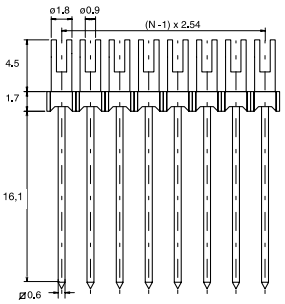


38X05591NN5X1

"Due to technical progress, all design, specification and components are subject to change without notice".

FEMALE TEST STRIP

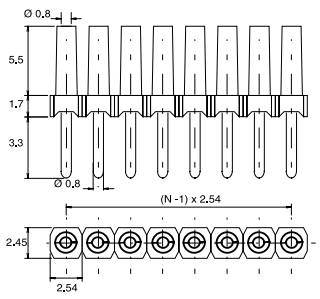
Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

Product Code

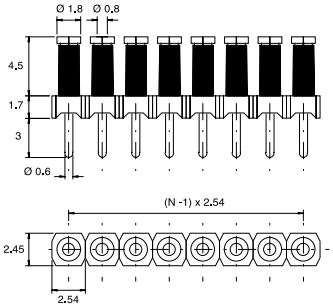
A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
B	Number of pins max
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm

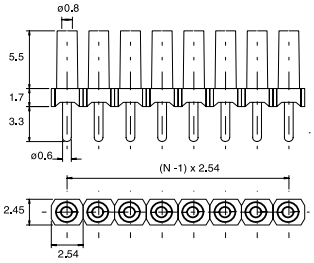
Version	P	nn	Plating	
		(a)	(b)	
331 0599	1	20	400	Au
331 0222	1	20	400	Au
331 0216	1	20	400	Au



33105991NN400



33102221NN400



33102161NN400

"Due to technical progress, all design, specification and components are subject to change without notice".

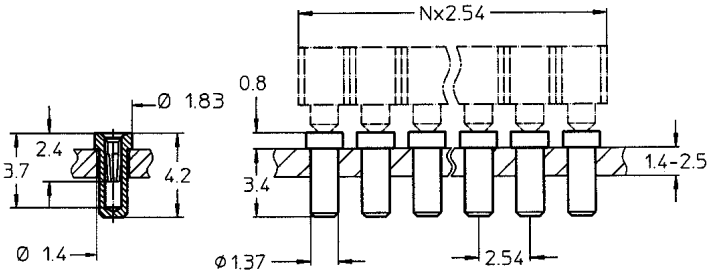
FEMALE TEST TERMINAL

Features	Accept pins Ø 0.40 ÷ 0.56 mm
Material	Material of sleeve: screw machined brass Material of clip: stamped beryllium-coppes
Electrical	Current rating: 1A maxi Dielectric withstanding: 100 V AC Contact resistance: 10 mΩ max
Packaging	Cardboard boxes

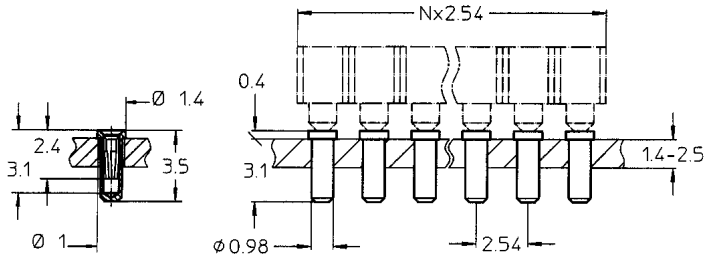
Product Code

A	B	C	D	E	F	G
877	95xx	1	xx	x	x	0

B	Type of terminal pin 07 Ø 1.37 30 Ø 0.98
D	Number of terminals: from 02 to 64
E	Used material (see references below) 4 Bronze 5 Brass
F	Sleeve/clip plating 0 5 µm Sn / 0.25 µm Au 9 5 µm Sn / 0.75 µm Au 4 5 µm Sn / 5 µm Au



87795071xx5x0



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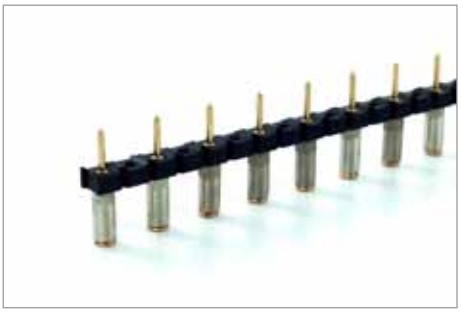
"Due to technical progress, all design, specification and components are subject to change without notice".

FORK TERMINAL



Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

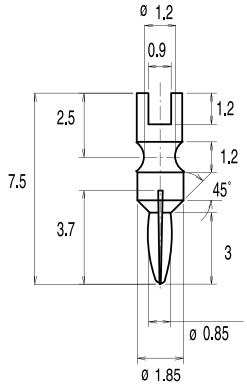
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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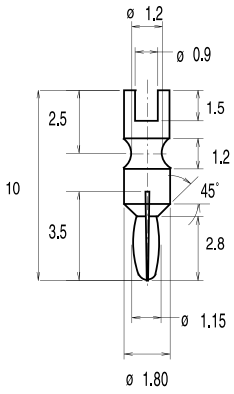
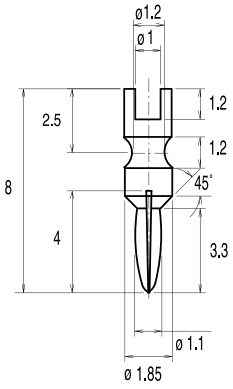


3101624000540



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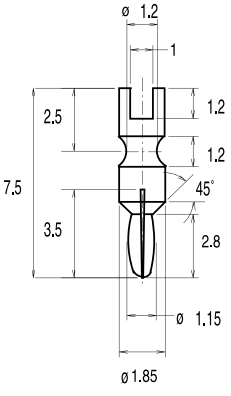


3101623000540

“Due to technical progress, all design, specification and components are subject to change without notice”.

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

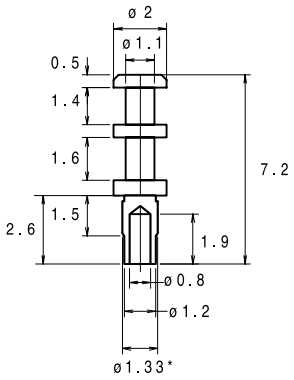
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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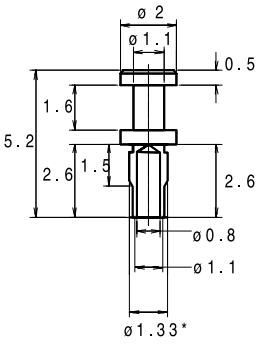

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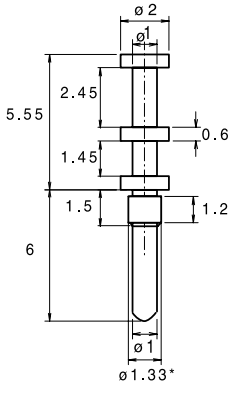

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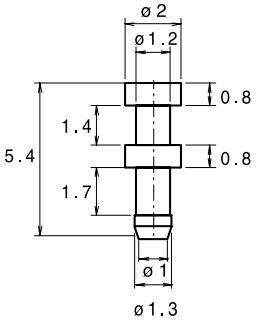


3110175000540

“Due to technical progress, all design, specification and components are subject to change without notice”.

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

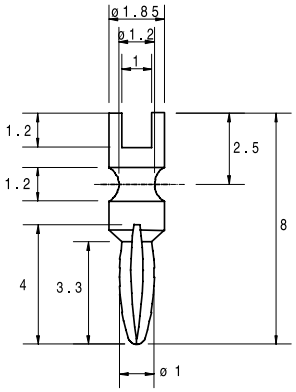
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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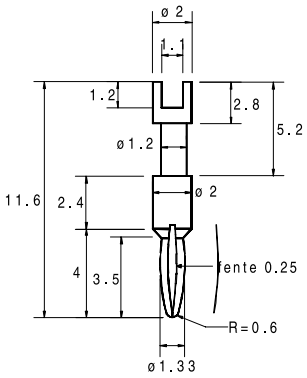

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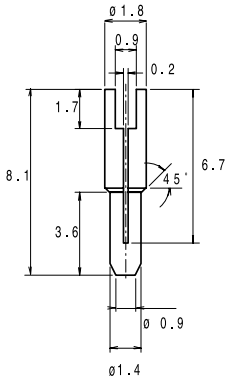

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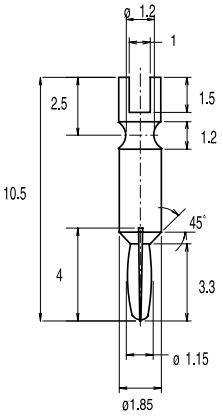


3101565000500

“Due to technical progress, all design, specification and components are subject to change without notice”.

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

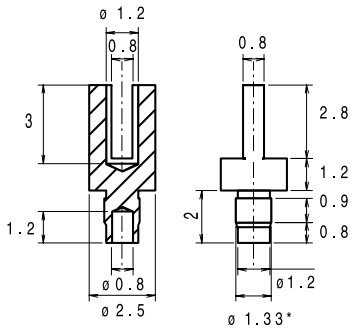
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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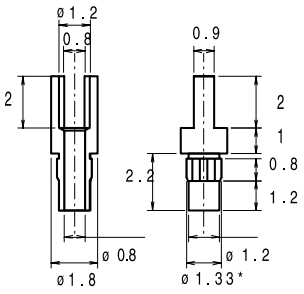

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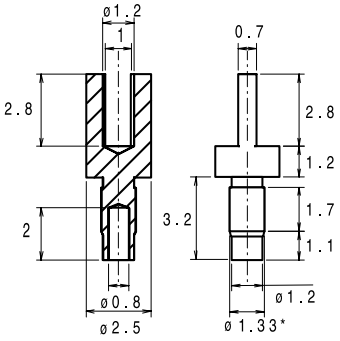

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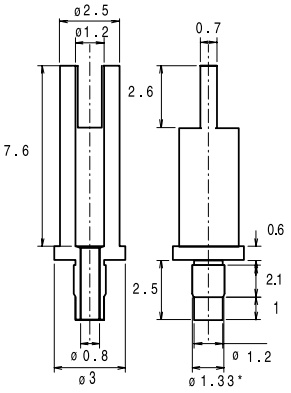

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*: Knurled

"Due to technical progress, all design, specification and components are subject to change without notice".

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

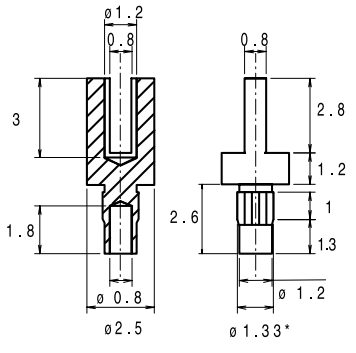
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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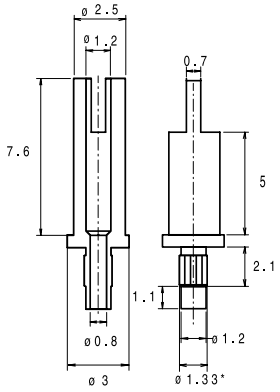

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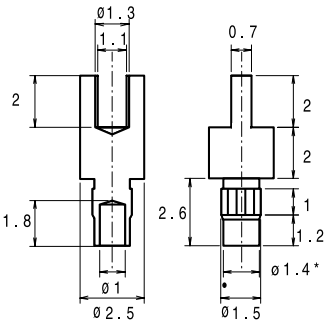

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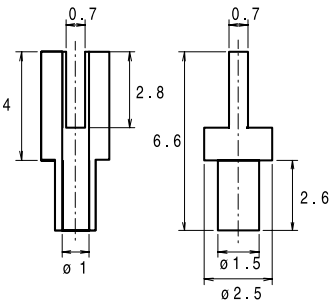

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*: Knurled

"Due to technical progress, all design, specification and components are subject to change without notice".

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

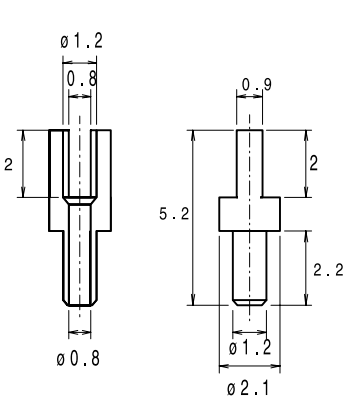
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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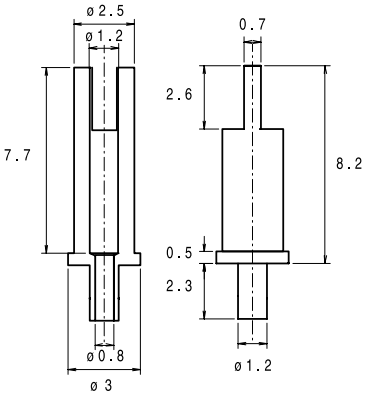

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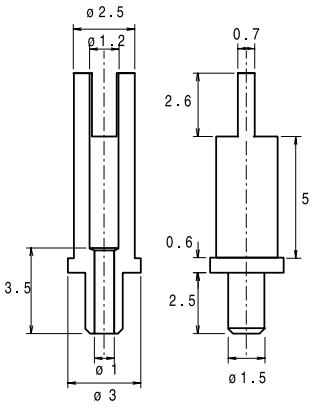

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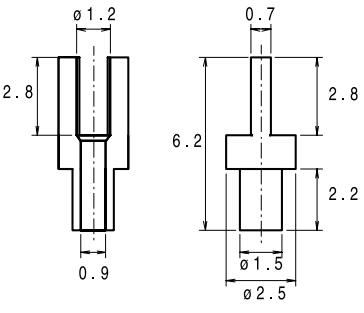

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FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

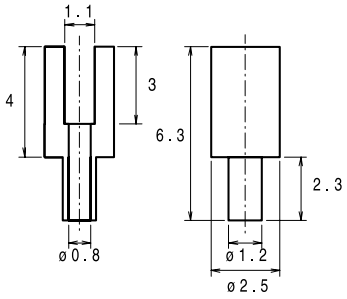
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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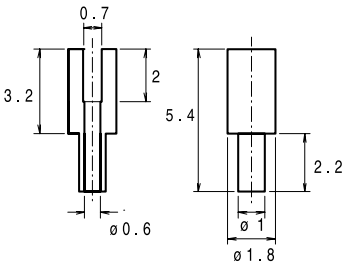

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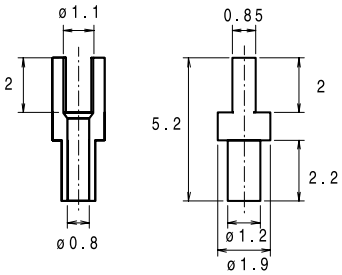

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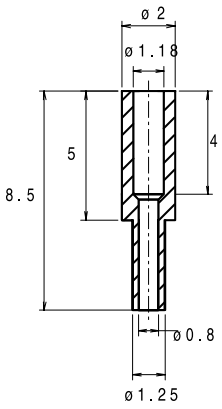


3130152000540

“Due to technical progress, all design, specification and components are subject to change without notice”.

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

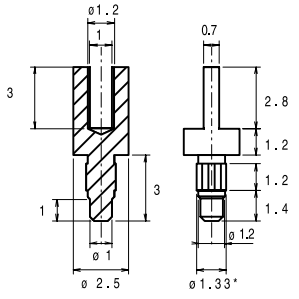
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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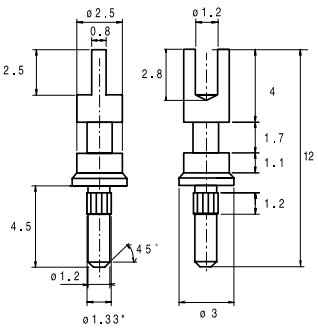

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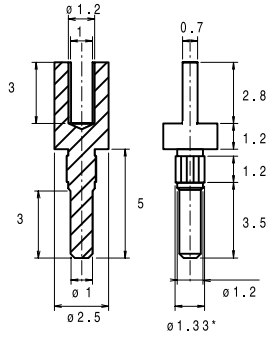

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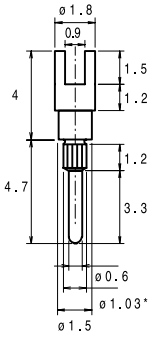

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FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

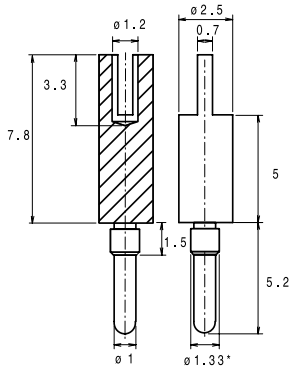
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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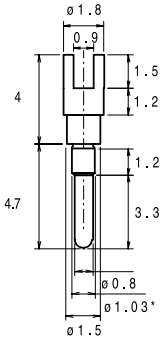

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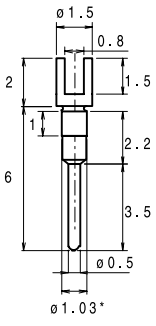

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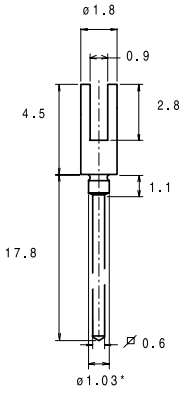

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“Due to technical progress, all design, specification and components are subject to change without notice”.

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

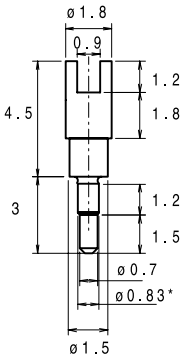
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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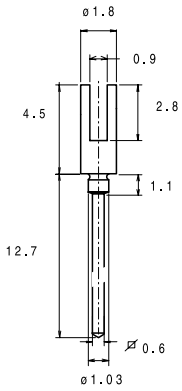

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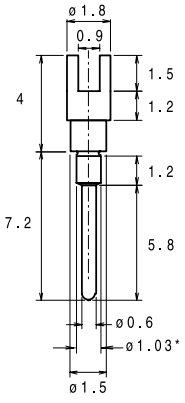

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“Due to technical progress, all design, specification and components are subject to change without notice”.

FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

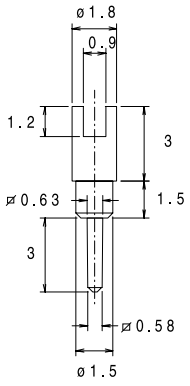
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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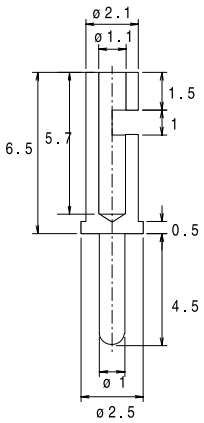

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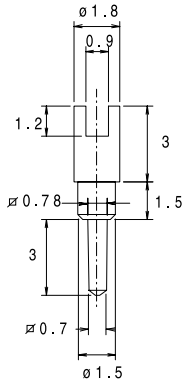

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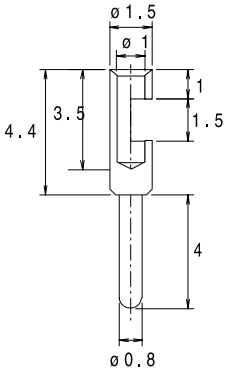

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FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
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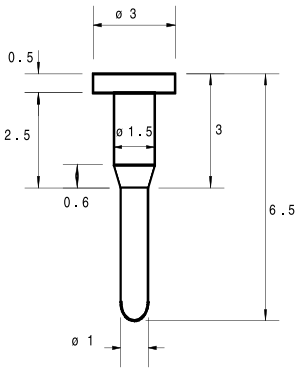

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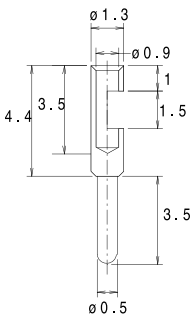

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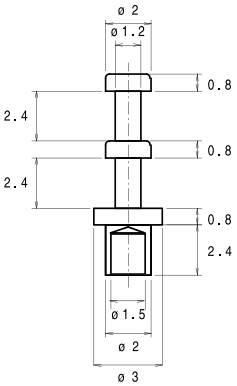

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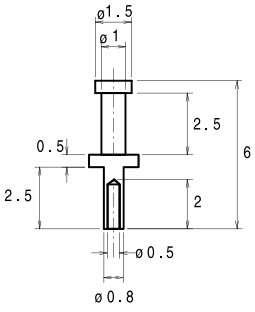

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FORK TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

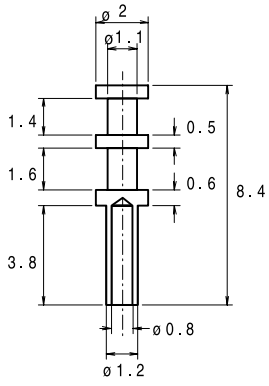
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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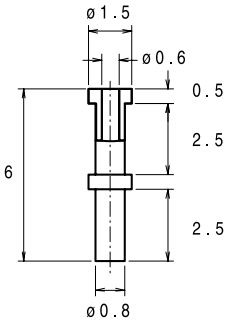

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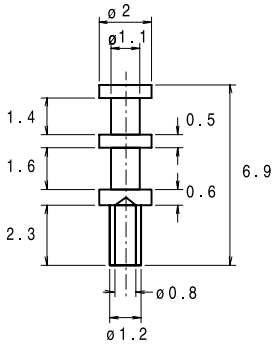

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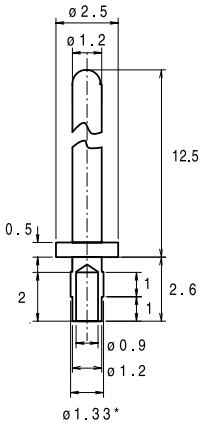


3130356000500

*: Knurled

“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

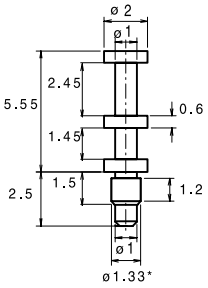
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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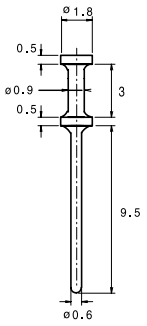

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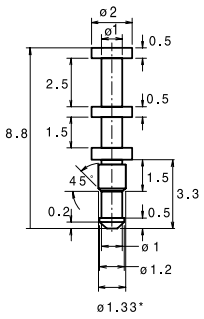

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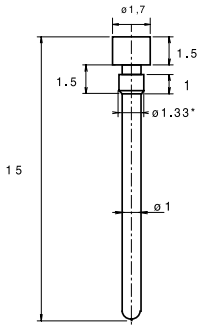


3102840000540

"Due to technical progress, all design, specification and components are subject to change without notice".

TERMINAL PINS
LOOSE MALE TEST TERMINALS

MALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

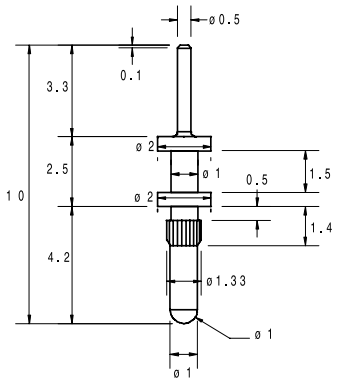
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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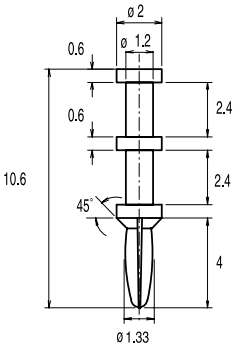

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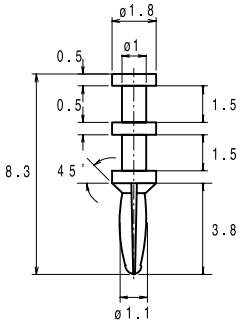

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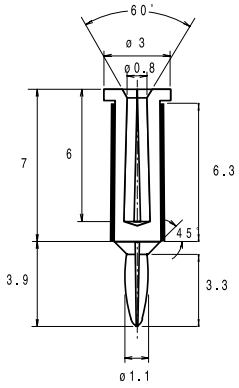


3101555000400

*: Knurled

"Due to technical progress, all design, specification and components are subject to change without notice".

MALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

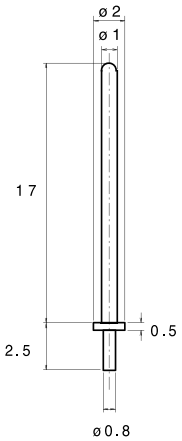
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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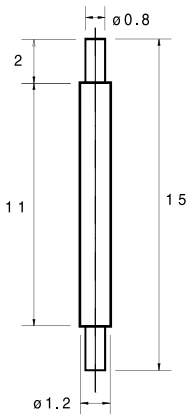

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“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

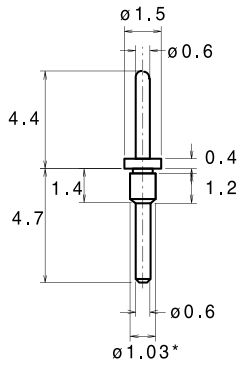
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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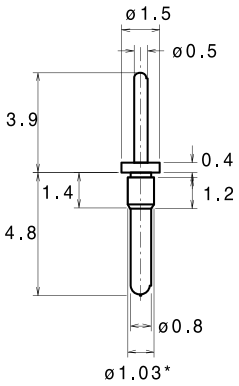

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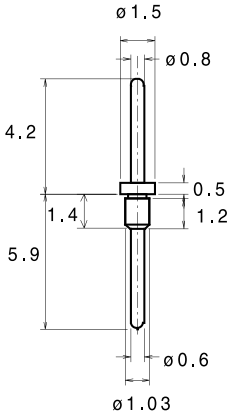

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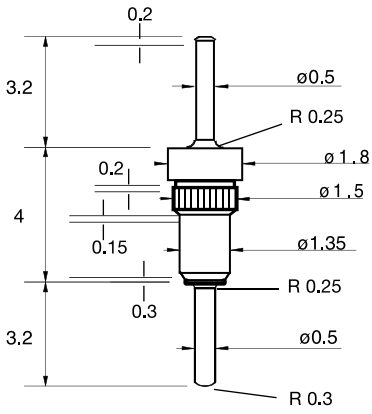

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"Due to technical progress, all design, specification and components are subject to change without notice".

MALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

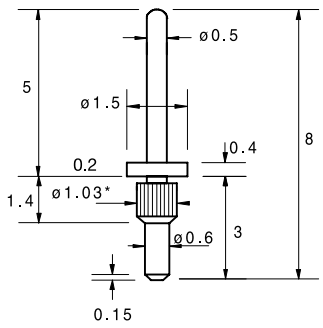
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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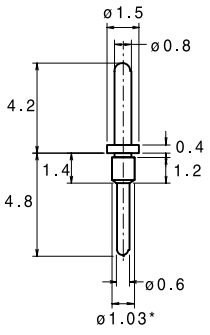

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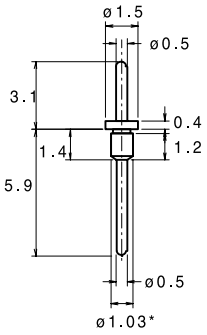

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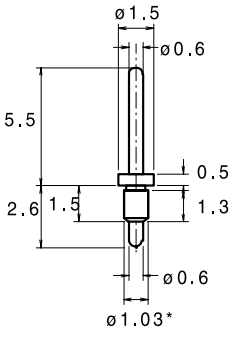

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“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

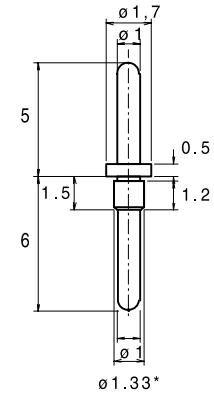
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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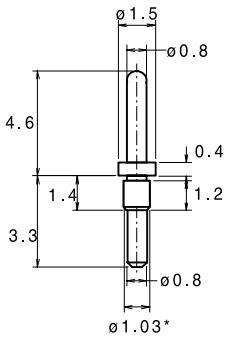

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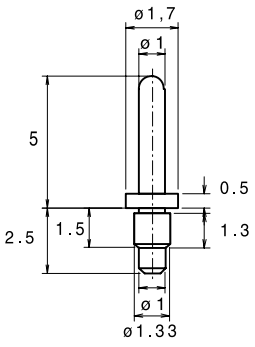

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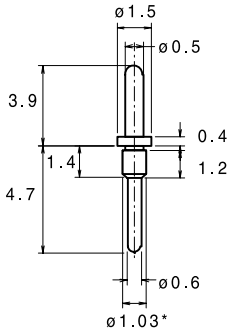

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“Due to technical progress, all design, specification and components are subject to change without notice”.

MINIFASTON TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

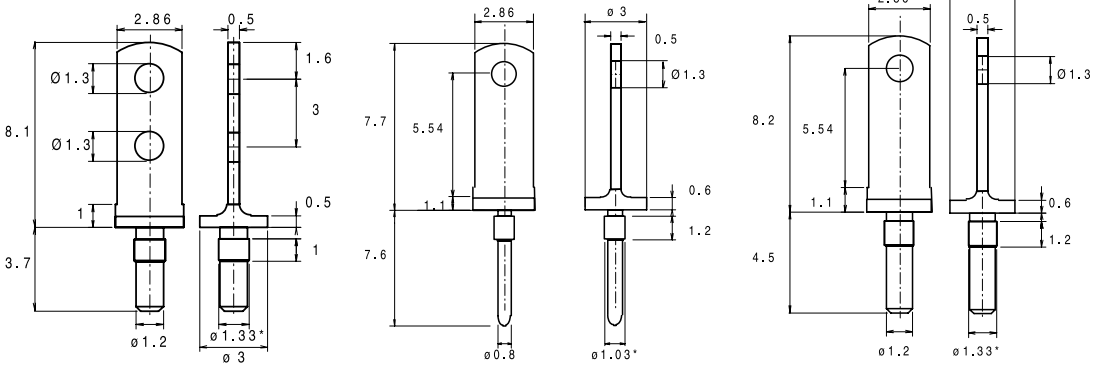
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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“Due to technical progress, all design, specification and components are subject to change without notice”.

FEMALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

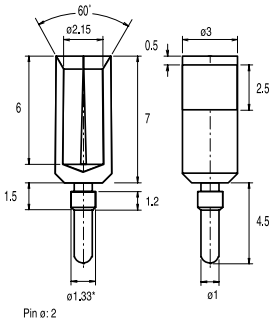
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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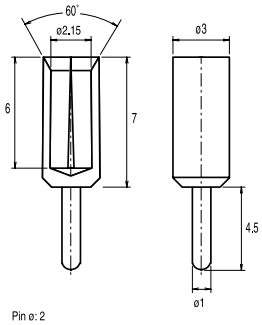

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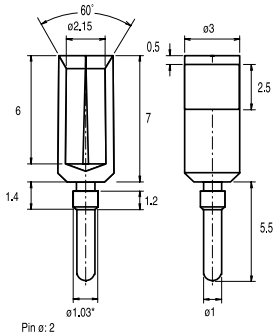

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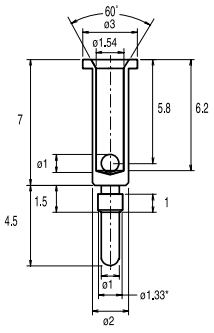

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FEMALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

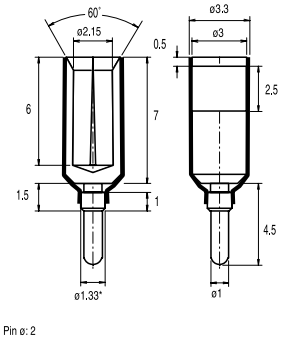
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

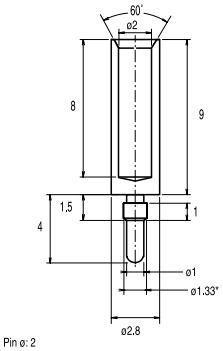
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



Pin ø: 2

312038300040Y



Pin ø: 2

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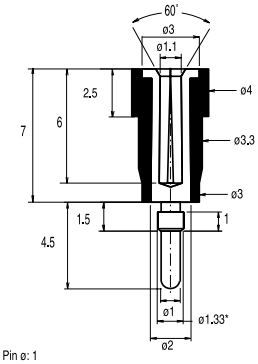

Pin ø: 1

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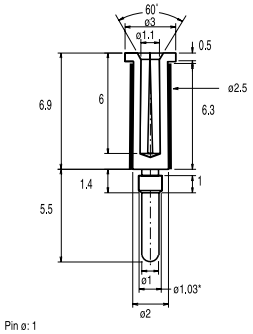

Pin ø: 1

3120223000400

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FEMALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

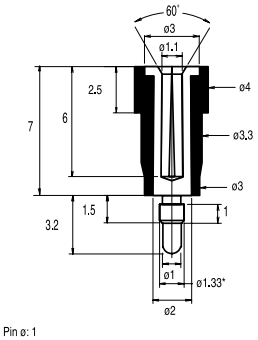
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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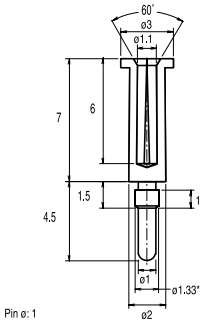

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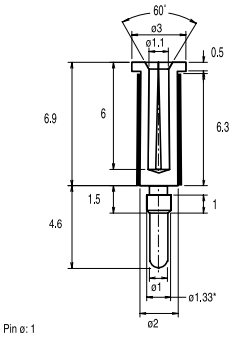

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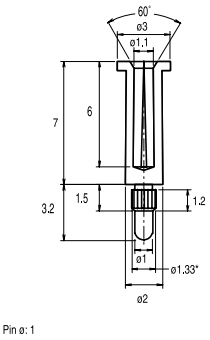

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“Due to technical progress, all design, specification and components are subject to change without notice”.

FEMALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

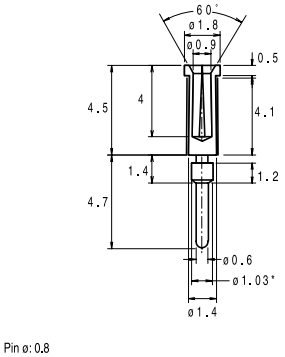
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



Pin ø: 0.8

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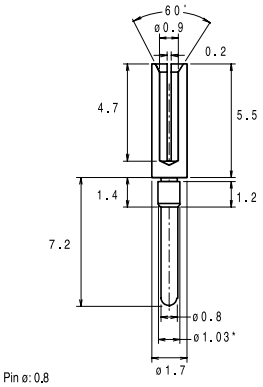
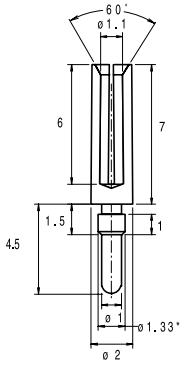


Pin ø: 0.8

3120668000400



Pin ø: 1

3120266000400

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FEMALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

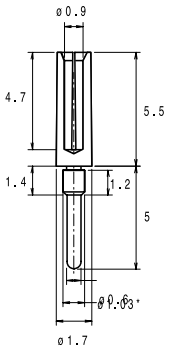
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



Pin ø: 0.8

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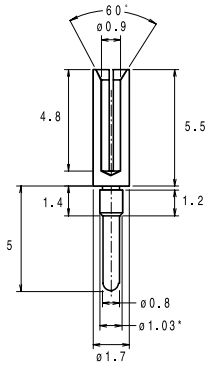

Pin ø: 0.8

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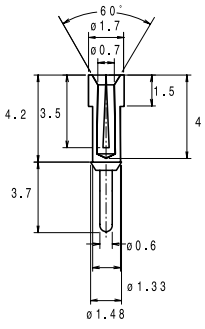


Pin ø: 0.6

3120218000400

“Due to technical progress, all design, specification and components are subject to change without notice”.

FEMALE TEST TERMINAL

Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

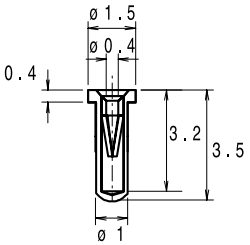
Custom Designed Pin available
with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



Pin ø: 0.5

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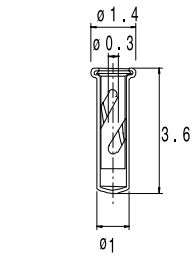

Pin ø: 0.4

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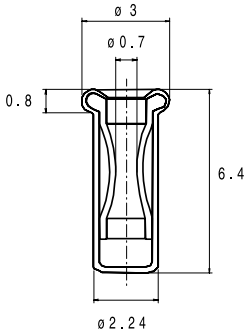


Pin ø: 0.45

31203850002X0

“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE JUMPERS

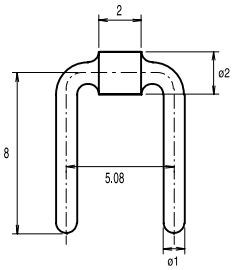
Features Custom designed terminal available with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
313	xxxx	000	5	x	0

B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



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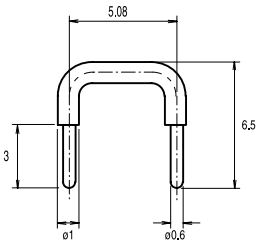

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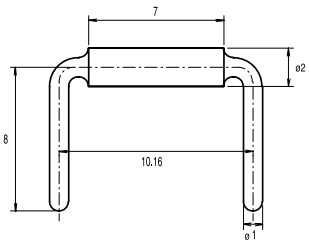

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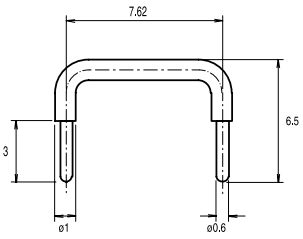

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“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE JUMPERS

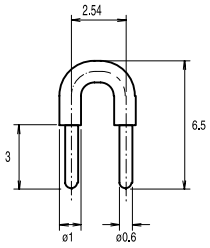
Features Custom designed terminal available with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
313	xxxx	000	5	x	0

B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



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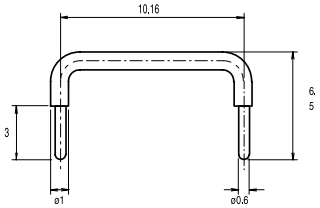

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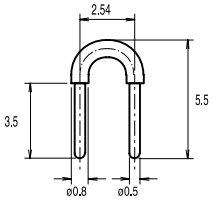

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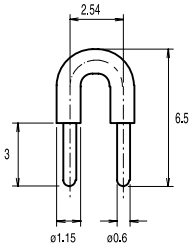

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“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE JUMPERS

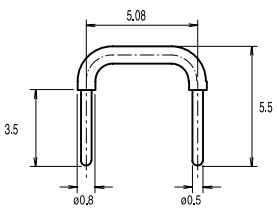
Features Custom designed terminal available with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
313	xxxx	000	5	x	0

B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



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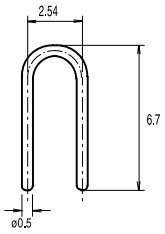

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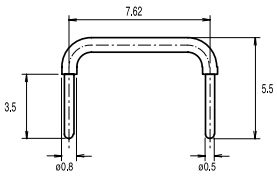

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"Due to technical progress, all design, specification and components are subject to change without notice".

MALE JUMPERS

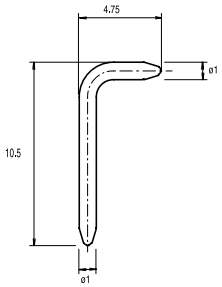
Features Custom designed terminal available with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
313	xxxx	000	5	x	0

B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



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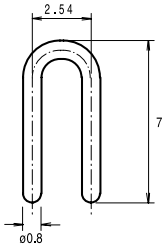

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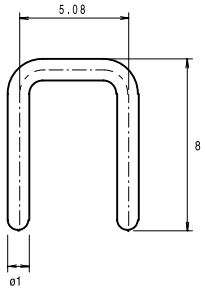

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“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE JUMPERS

Features Custom designed terminal available with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code

A	B	C	D	E	F
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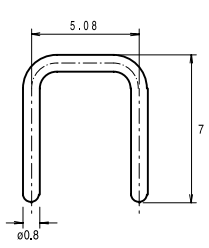
B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



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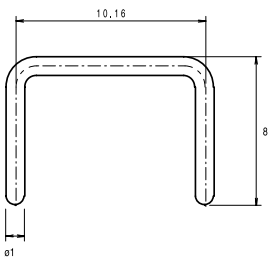

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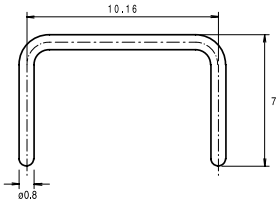

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"Due to technical progress, all design, specification and components are subject to change without notice".

TOOLING

CRIMPING TOOL FOR IDC
CRIMPING TOOL FOR IDC

AUTOCOM

1) 701CSE1000
2) 7010118

Crimping machine (1)

Modular machine able to crimp all our IDC's
Quick and easy crimping head changing (3-4-5)
Compact machine for easy handling

Electrical press with linear piston stroke
Power supply: 220V 50 Hz 115V/50Hz
Length: 390 mm
Width: 250 mm
Height: 170 mm
Weight: 9.5 kg

Crimping machine (2)

Modular clampable to crimp all our IDC's
Quick and easy crimping head chanaing (3-4-5) compatible with the machine CSE1000
Technical data:
Length: 150 mm
Width: 25 mm
Height: 150 mm
Weight: 0.4 kg

CRIMPING HEAD
CRIMPING HEAD

AUTOCOM & INTERCOM

Suitable with the machine and the clamp

1) For crimping of IDC AUTOCOM 90° from 2 to 20 Positions (P/n: 478 2836; 478 2709; 478 2710; 478 2837)
Head Part number: 7020405-0 (3)

2) For crimping of IDC INTERCOM 90° from 2 to 20 Positions (P/n: 478 1841; 478 2033; 478 2301)
Head Part number: 7010118 (4)

3) For crimping of IDC INTERCOM 180° single and double row (P/n 478 3219; 478 3220)
Head Part number: 701 0200 (5)

"Due to technical progress, all design, specification and components are subject to change without notice".

CUTING CLAMP
CUTING CLAMP

CUTING CLAMP

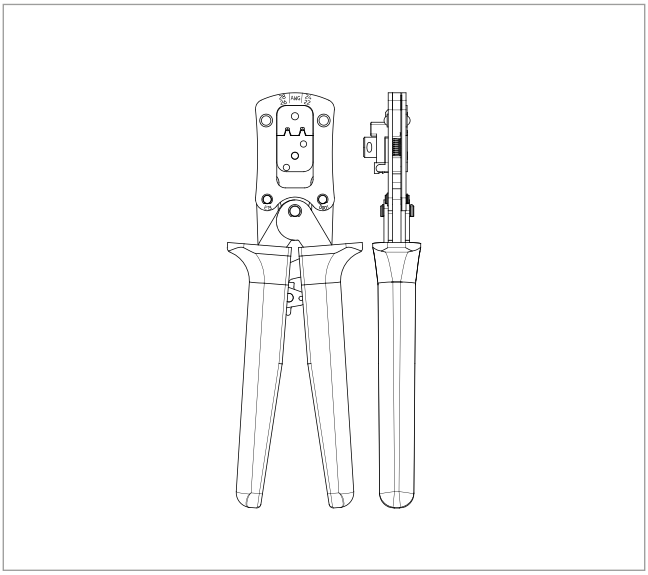
Operation Adjust the latch to the required length
Place the strip
Squeeze the trigger
Remove the cut connector

Technical Runs connectors P/n: 4772217; 4772235; 4772234; 4772232; 4773540; 4773541; 4773543; 4773544; 4773545; 4773618

Characteristic Length: 150 mm
Width: 200 mm
Height: 170 mm
Weight: 0.6 kg

CRIMPING CLAMP
CRIMPING CLAMP

CRIMPING CLAMP



Operation Insert the terminal in the clamp
Squeeze the trigger
Remove the Crimped connector

Features No adjustment required
Supplied with its own storage case

Technical Runs for crimp contact P/N 485 3250

Characteristic Length: 215 mm
Width: 50 mm
Height: 170 mm
Weight: 0.450 kg

“Due to technical progress, all design, specification and components are subject to change without notice”.

GWT

IEC 60335-1
SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

This Standard deals with the safety of electrical appliances for household and similar purposes; the rated voltage of the appliances being not more than 250 V for single-phase appliances and 480 V for other appliances. Recently the Standard has been modified and requirements are reportedly much stricter than those previously used, in order to avoid fire risks and provide further guarantees of safety in electrical appliances. Such modifications involve, above all, components made of an insulating material that support electrical connections carrying a current > 0.2 A, including components at a distance of less than 3 mm from the connection. The flowchart for the material and / or part evaluation according to IEC 60335-1 is schematically illustrated in figure.

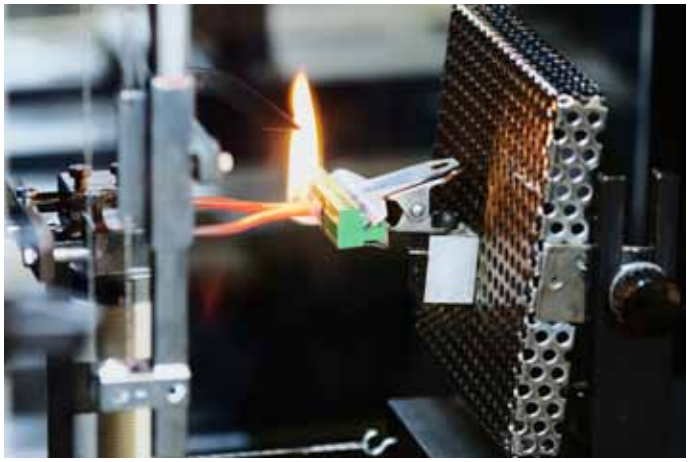
PARAGRAPH 30 - RESISTANCE TO HEAT AND FIRE

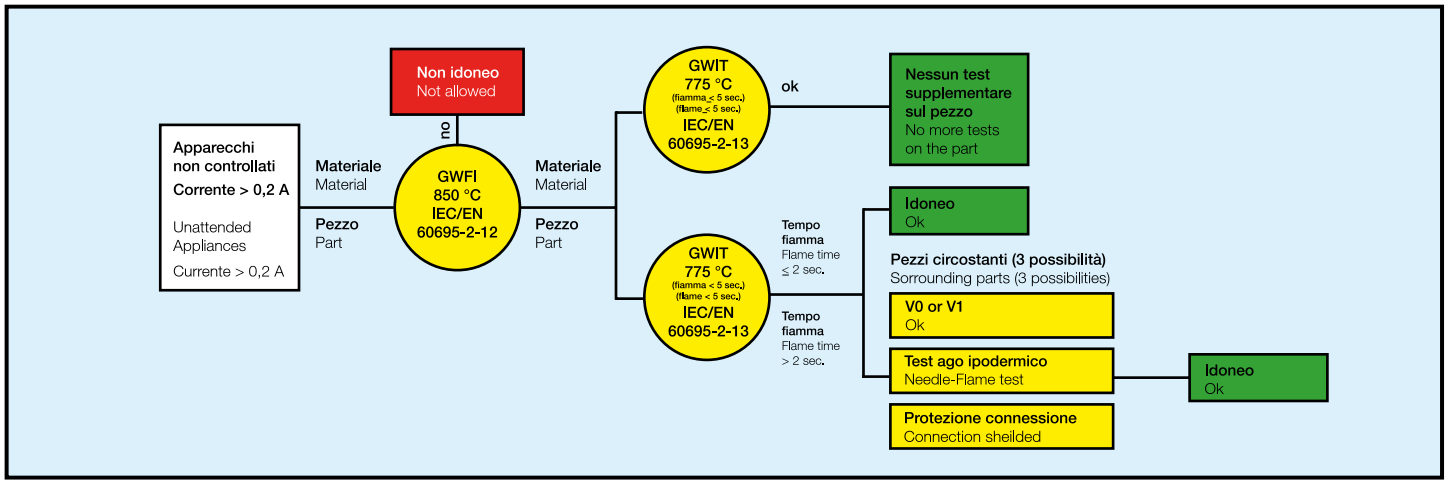
30.1 - Heat resistance
The parts must comply with the Ball Pressure Test (IEC 60695-10-2). The test is carried out at a temperature of 40 °C ± 2 °C plus the maximum temperature rise determined during the test of clause 11, but it shall be at least 75 °C ± 2 °C for external components and 125 °C ± 2 °C for components supporting live parts.

30.2 - Fire resistance

30.2.2 - Attended Appliances
According to the Standard, parts ought to be subjected to the Glow-Wire Test (IEC 60695-2-11), which is carried out at 750 °C for connections that carry a current > 0.5 A and 650 °C for other connections.

30.2.3 - Unattended Appliances
30.2.3.1: Parts that carry a current > 0.2 A shall have a Glow Wire Flammability Index (GWFI) > = 850 °C (IEC 60695-2-12).
30.2.3.2: parts supporting current/carrying connections shall always be subjected to the Glow-Wire Test according to IEC 60695-2-11. However, the GWT is not carried out on parts of material classified as having a Glow-Wire Ignition Temperature (GWTI–according to IEC 60695-2-13) of > = 775 °C for connections that carry a current > 0.2A, and > = 675 °C for other connections.
Test samples have to be no thicker than the relevant part.
The maximum flame-persistence time admitted during the test is of 5 seconds.
When the Glow-Wire Test of IEC 60695-2-11 is carried out on the parts, the temperatures are of 750 °C for connections which carry a current > 0.2 A and 650 °C for lower connections.
If during the test a flame that persists for longer than 2 seconds is produced, the Needle-Flame Test must be carried out for all parts above the connection within the envelope of a vertical cylinder having a diameter of 20 mm and a height of 50 mm. However, the latter test is not needed if between the connections and the other parts there is a «protection» that comply with the Needle-Flame Test.
The Needle-Flame Test is not carried out on parts of material classified as V-0 or V-1 (IEC 60695-11-10), provided that the test sample was no thicker than the relevant part.
STELVIO – KONTEK is able to provide both standard version components and special version components complying with IEC 60335-1, as shown in selection tables of each section. In your purchase order, if you require the latter type of product, you can simply add “GWT” at the end of the standard code.

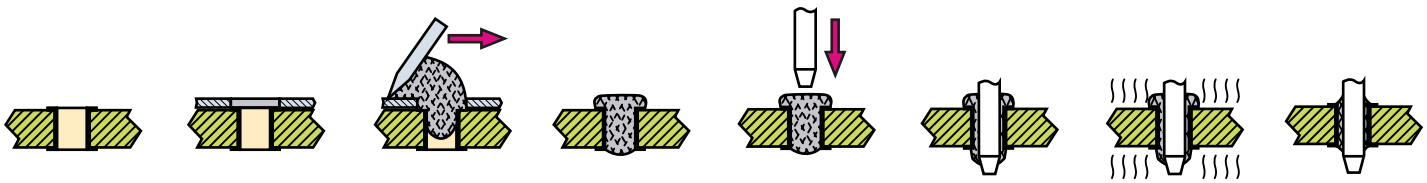




THR - THROUGH HOLE REFLOW

Mechanically stressed components such as terminal blocks and connectors require a good retention to the PC board. In order to obtain the same efficiency in production of SMT process (Surface Mount Technology) and mechanical resistance typical of THT process (Through Hole Technology), these two technologies can be integrated in one process named THR (Through Hole Reflow).

This process or method is also known as a PIP (Pin In Paste) and differently from SMT traditional components, the pins of connectors, terminal blocks and fuse-holders are inserted into PCB plated through holes previously filled with soldering paste and then soldered with Reflow technology as described on the following pictures.



1] PCB con fori metallizzati
PCB with plated through holes

2] Posizionamento della maschera
Stencil positioning

3] Applicazione della pasta di saldatura
Solder paste application

4] Pasta di saldatura all'interno del foro
Solder paste hole filling

5] Posizionamento del componente
Component positioning

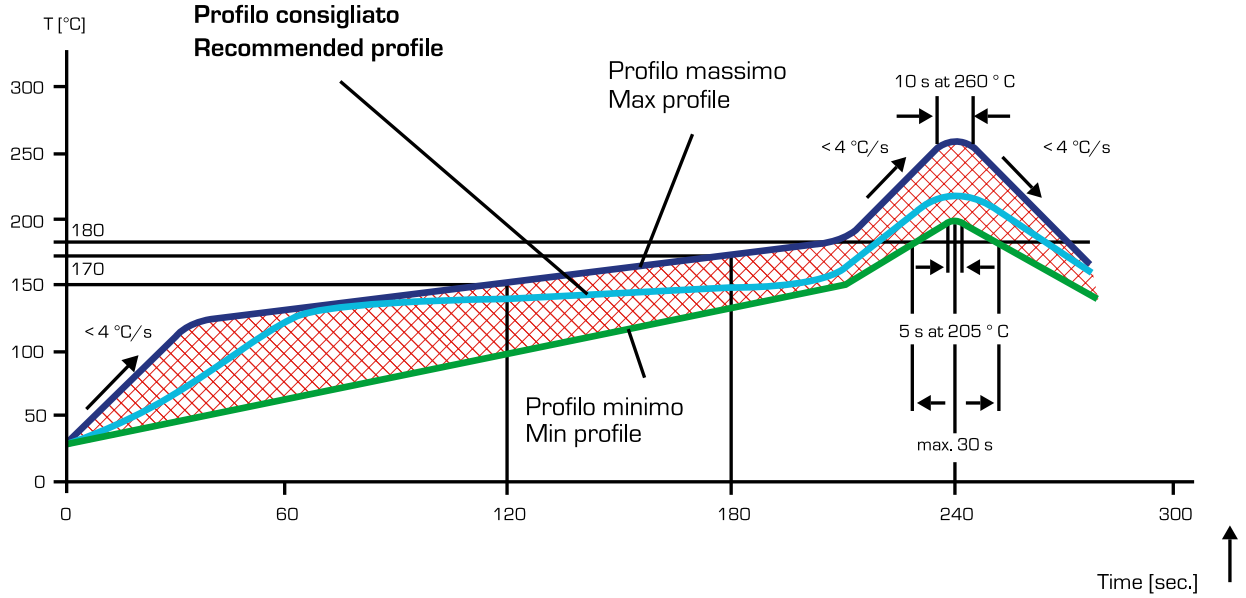
6] Pin del componente inserito nel foro
Pin insertion into the hole

7] Saldatura reflow
Reflow solder

8] Componente saldato
Soldered component

TEMPERATURE REQUIREMENTS

Recommended temperature profiles are specified in DIN EN 61760-1.



PCB CHARACTERISTICS

1) Plated through holes;
2) Holes diameter: depends on pin dimension and on the accuracy of component deployment;
3) Soldering pad: depend on the pin dimension, paste quantity and stencil layout;
4) Volume of soldering paste can be calculated as follow:

$$V_h = \left(\frac{\pi d_h^2 \cdot S}{4} \right)$$

$$V_n = V_h - V_p$$

Paste volume $= V_n * K$

V_h = Hole volume
V_n = Net volume
V_p = Soldering pin volume
S = PCB thickness
d_h = PCB hole diameter
K = Evaporation factor (equal to 2 with paste estimated bleeding of 50%)

PACKAGING

THR components are also compatible with automated mounting systems (Pick and Place) thanks to packaging solutions such as Tube or Tape-and-Reel. For any requirements on THR components contact us.

CERTIFICATIONS & HOMOLOGATIONS

For us at Stelvio Kontek, quality is a concrete result rather than a merely formal value. Our ranges comply with European Directives in safeguarding environment (RoHS, WEEE, PFOS, REACH, etc.).
The Oggiono plant is ISO 9001 certified since 1995; the Romanian plant since 2012.
ISO-TS certification is under process.

INTERNATIONAL STANDARDS

EUROPEAN DIRECTIVES

Certificat
Certificate

N° 1995/4454.7

AFNOR Certification certifie que le système de management mis en place par :
AFNOR Certification certifies that the management system implemented by:

STELVIO KONTEK S.p.A.

pour les activités suivantes :
for the following activities:

PROGETTAZIONE, SVILUPPO, PRODUZIONE, COMMERCIALIZZAZIONE E VENDITA DI COMPONENTI ELETTROMECCANICI PER L'ELETTRONICA DI CONSUMO ED INDUSTRIALE.

CONCEPTION, DEVELOPPEMENT, PRODUCTION, COMMERCIALISATION ET VENTE DE COMPOSANTS ELECTROMECANIQUES POUR L'ELECTRONIQUE GRAND PUBLIC ET INDUSTRIELLE.

DESIGN, DEVELOPMENT, PRODUCTION, MARKETING AND SALE OF ELECTROMECHANICAL COMPONENTS FOR CONSUMER AND INDUSTRIAL ELECTRONICS.

Activités exercées par SC STM ELETTROMECCANICA SRL (membre du groupe STELVIO) en annexe n° 1 /
Activities carried out by SC STM ELETTROMECCANICA SRL (member of the STELVIO group) on appendix n° 1

a été évalué et jugé conforme aux exigences requises par :
has been assessed and found to meet the requirements of:

ISO 9001 : 2008

et est déployé sur les sites suivants :
and is developed on the following locations:

Via al Mognago, 49 - 23848 OGGIONO - LC - ITALIA

Ce certificat est valable à compter du (année/mois/jour) : 2012-09-05
This certificate is valid from (year/month/day)

Jusqu'au / until : 2015-03-04

Directrice Générale d'AFNOR Certification
Managing Director of AFNOR Certification

F. MEAUX

11 rue Francis de Pressensé - 93571 La Plaine Saint-Denis Cedex - France - T. +33 (0)1 41 62 80 00 - F. +33 (0)1 49 17 90 00
SAS au capital de 18 187 000 € - 479 076 002 RCS Bobigny - www.afnor.org

afnor CERTIFICATION

Certificat
Certificate

N° 2000/14460.3

AFNOR Certification certifie que le système de management mis en place par :
AFNOR Certification certifies that the management system implemented by:

STELVIO KONTEK S.p.A

pour les activités suivantes :
for the following activities:

PROGETTAZIONE E PRODUZIONE DI COMPONENTI ELETTROMECCANICI PER L'ELETTRONICA DI CONSUMO ED INDUSTRIALE.

CONCEPTION ET PRODUCTION DE COMPOSANTS ELECTROMECANIQUES POUR L'ELECTRONIQUE GRAND PUBLIC ET INDUSTRIELLE.

DESIGN AND PRODUCTION OF ELECTROMECHANICAL COMPONENTS FOR CONSUMER AND INDUSTRIAL ELECTRONICS.

a été évalué et jugé conforme aux exigences requises par :
has been assessed and found to meet the requirements of:

ISO 14001 : 2004

et est déployé sur les sites suivants :
and is developed on the following locations:

Via al Mognago, 49 - 23848 OGGIONO (LC) - ITALIA

Ce certificat est valable à compter du (année/mois/jour) : 2013-02-13
This certificate is valid from (year/month/day)

Jusqu'au / until : 2016-02-13

Directrice Générale d'AFNOR Certification
Managing Director of AFNOR Certification

F. MÉAUX

11 rue Francis de Pressensé - 93571 La Plaine Saint-Denis Cedex - France - T. +33 (0)1 41 62 80 00 - F. +33 (0)1 49 17 90 00
SAS au capital de 18 187 000 € - 479 076 002 RCS Bobigny - www.afnor.org

afnor CERTIFICATION

PHILOSOPHY & VALUES

Responsibility with a big R

Focus on the Human foremost.

We, at Stelvio Kontek truly believe that corporate culture cannot endure without partnership and trust, either towards collaborators or partners and customers.
Hence we take great care in optimizing our communication channels and define common win-win objectives.
After all, best ideas necessarily come from individual.

Eco-responsibility

An investment on our future.

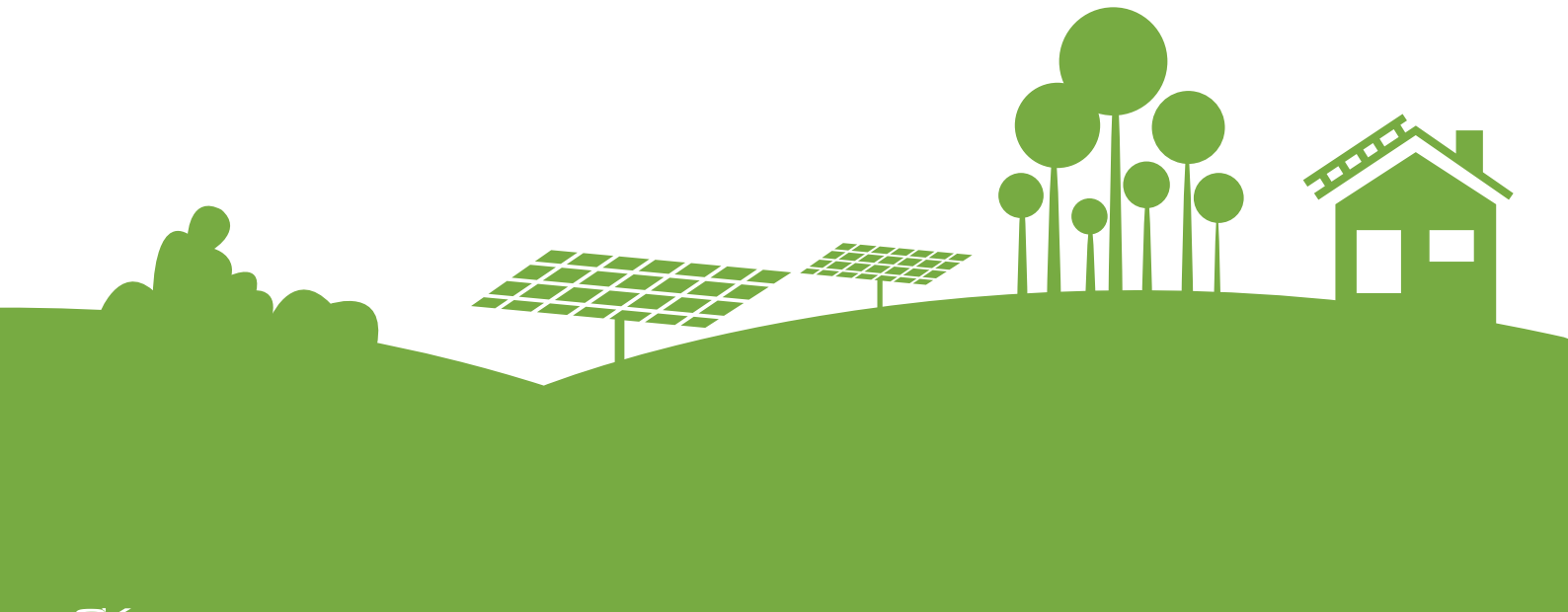
For us environmental responsibility doesn't only mean being green. It has to be a real and true doctrine flowing through all capillaries of our organization.
Thus, thanks to its Environmental Management System with ISO 14001 certification and its strong spirit of innovation, the group makes its own contribution to defending the environment as one of its top priorities through sustainable development: industrial wastewater is conditioned, air is protected with "end of pipe scrubbers", chemical substances are stocked in "double-jacket" tanks and the natural resources consumption is carefully monitored.

THE GLOBAL COMPACT
WE SUPPORT

Global Compact

A human face to the global market.

The United Nations Global Compact is a call to companies everywhere to voluntarily align their operations and strategies with ten universally-accepted principles in the areas of human rights, labour, environment and anti-corruption, and to take action in support of UN goals, including the Millennium Development Goals.
Stelvio Kontek agrees on and takes part in the UN Global Compact platform for the development, implementation, and disclosure of responsible corporate policies and practices. Launched in 2000, it is the largest corporate responsibility initiative in the world, with over 10,000 signatories based in 140 countries.



INDEX

P/N			p.	P/N			p.
310	1497	000 xx0	237	311	0165	000 xx0	247
310	1555	000 xx0	249	311	0169	000 xx0	238
310	1565	000 xx0	237	311	0175	000 xx0	236
310	1623	000 xx0	235	311	0190	000 xx0	248
310	1624	000 xx0	235	311	0242	000 xx0	241
310	1939	000 xx0	251	311	0254	000 xx0	254
310	2310	000 xx0	252	311	0322	000 xx0	242
310	2597	000 xx0	262	311	0323	000 xx0	254
310	2840	000 xx0	248	311	0325	000 xx0	247
310	2957	000 xx0	255	311	0326	000 xx0	240
310	3688	000 xx0	249	311	0335	000 xx0	241
310	3696	000 xx0	246	311	0344	000 xx0	247
311	0007	000 xx0	246	311	0346	000 xx0	246
311	0008	000 xx0	236	311	0600	000 xx0	243
311	0010	000 xx0	236	311	0754	000 xx0	237
311	0013	000 xx0	236	311	0788	000 xx0	243
311	0014	000 xx0	248	311	0809	000 xx0	244
311	0017	000 xx0	239	311	0815	000 xx0	242
311	0018	000 xx0	242	311	0902	000 xx0	254
311	0019	000 xx0	240	311	0938	000 xx0	240
311	0020	000 xx0	240	311	1022	000 xx0	235
311	0025	000 xx0	248	311	1022	000 xx0	237
311	0030	000 xx0	243	311	1233	000 xx0	235
311	0051	000 xx0	238	311	1234	000 xx0	244
311	0053	000 xx0	238	311	1236	000 xx0	245
311	0058	000 xx0	242	311	1331	000 xx0	249
311	0077	000 xx0	239	311	1398	000 xx0	245
311	0078	000 xx0	238	311	1607	000 xx0	249
311	0094	000 xx0	239	312	0015	000 xx0	253
311	0161	000 xx0	239	312	0016	000 xx0	253
311	0164	000 xx0	241	312	0032	000 xx0	257

INDEX

P/N			p.
312	0034	000 xx0	256
312	0079	000 xx0	257
312	0128	000 xx0	260
312	0207	000 xx0	245
312	0212	000 xx0	252
312	0216	000 xx0	259
312	0218	000 xx0	259
312	0219	000 xx0	251
312	0222	000 xx0	258
312	0223	000 xx0	256
312	0266	000 xx0	258
312	0299	000 xx0	251
312	0300	000 xx0	253
312	0318	000 xx0	251
312	0382	000 xx0	255
312	0383	000 xx0	256
312	0385	000 xx0	260
312	0598	000 xx0	256
312	0599	000 xx0	259
312	0668	000 xx0	258
312	0760	000 xx0	245
312	0778	000 xx0	252
312	0838	000 xx0	246
312	1017	000 xx0	253
312	1139	000 xx0	257
312	1168	000 xx0	257
312	1350	000 xx0	255
312	1594	000 xx0	252
312	1896	000 xx0	260
312	2056	000 xx0	255
313	0004	000 xx0	261

P/N			p.
313	0005	000 xx0	261
313	0049	000 xx0	250
313	0088	000 xx0	250
313	0152	000 xx0	241
313	0356	000 xx0	247
313	0499	000 xx0	264
313	0523	000 xx0	264
313	0524	000 xx0	265
313	0578	000 xx0	261
313	0579	000 xx0	262
313	0581	000 xx0	262
313	0582	000 xx0	261
313	0675	000 xx0	265
313	0676	000 xx0	265
313	0681	000 xx0	264
313	0777	000 xx0	263
313	0826	000 xx0	262
313	0827	000 xx0	263
313	0828	000 xx0	263
313	0946	000 40x	122
313	1493	000 4xx	126
313	1730	000 4xx	121
313	1731	000 4xx	121
313	2274	000 4xx	121
313	2512	0xx 4xx	124
313	2769	0xx 4xx	125
313	9713	000 4xx	74
313	9714	000 4xx	74
313	9761	000 41x	123
313	9762	000 41x	123
313	9763	000 41x	123

INDEX

P/N			p.
313	9764	000 41x	123
313	9765	000 41x	123
313	9766	000 41x	123
324	0559	000 xx0	243
324	0576	000 xx0	244
330	1940	1xx 5x0	229
331	0216	1xx 5x0	233
331	0219	1xx 5x0	229
331	0222	1xx 5x0	233
331	0299	1xx 5x0	228
331	0300	1xx 5x0	228
331	0416	1xx 5x0	229
331	0599	1xx 5x0	233
331	0600	1xx 5xx	230
331	0778	1xx 5x0	229
331	0809	1xx 5xx	230
331	0815	1xx 5xx	230
331	0902	1xx xxx	231
331	1422	1xx xxx	231
331	1594	1xx 5x0	228
332	0219	1xx 5x0	229
332	0299	1xx 5x0	228
332	0300	1xx 5x0	228
332	0416	1xx 5x0	229
332	0600	1xx 5xx	230
332	0778	1xx 5x0	229
332	0809	1xx 5xx	230
332	0815	1xx 5xx	230
332	0902	1xx xxx	231
332	1422	1xx xxx	231
332	1594	1xx 5x0	228

P/N			p.
333	0902	1xx xxx	231
333	1594	1xx 5x0	228
334	0902	1xx xxx	231
334	1594	1xx 5x0	228
380	8318	5xx 2xx	20
380	8319	5xx 2xx	20
380	8327	5xx 2xx	21
380	8328	5xx 2xx	21
380	8329	5xx 2xx	26
380	8330	5xx 2xx	26
380	9813	6xx 4xx	44
380	9814	6xx 4xx	44
380	9815	6xx 4xx	44
380	9816	6xx 4xx	44
380	9817	6xx 4xx	45
380	9818	6xx 4xx	45
380	9819	6xx 4xx	45
380	9820	6xx 4xx	45
381	0435	1xx 5xx	232
381	0559	1xx 5xx	232
381	0576	1xx 5xx	232
382	0435	1xx 5xx	232
382	0559	1xx 5xx	232
382	0576	1xx 5xx	232
383	0435	1xx 5xx	232
384	0435	1xx 5xx	232
385	0211	1xx 4xx	80
385	0298	1xx 4xx	80
385	0334	1xx 4xx	80
385	0358	1xx 4xx	80
385	0369	1xx 4xx	80

INDEX

P/N			p.
385	0395	1xx 4xx	80
385	0543	1xx 4xx	80
385	0575	1xx 4xx	80
386	0211	1xx 4xx	80
386	0298	1xx 4xx	80
386	0334	1xx 4xx	80
386	0358	1xx 4xx	80
386	0369	1xx 4xx	80
386	0395	1xx 4xx	80
386	0543	1xx 4xx	80
386	0575	1xx 4xx	80
391	0401	1xx 4xx	90
391	0419	1xx 4xx	90
392	0401	1xx 4xx	90
392	0419	1xx 4xx	90
401	9718	1xx 4xx	112
468	8217	8xx 4xx	130
468	8218	8xx 4xx	130
468	8231	2xx 4xx	140
471	0002	2xx 4xx	137
471	0003	2xx 4xx	137
471	0004	2xx 4xx	137
471	0005	2xx 4xx	137
471	0007	2xx 4xx	137
471	0211	1xx 4xx	78
471	0298	1xx 4xx	78
471	0302	1xx 4xx	78
471	0307	1xx 4xx	78
471	0334	1xx 4xx	78
471	0358	1xx 4xx	78
471	0369	1xx 4xx	78

P/N			p.
471	0395	1xx 4xx	78
471	0543	1xx 4xx	78
471	0575	1xx 4xx	78
471	1955	1xx 4xx	78
471	1956	1xx 4xx	78
471	2003	1xx 4xx	78
471	2035	1xx 4xx	78
471	2256	1xx 4xx	78
471	2420	2xx 4xx	137
471	2421	2xx 4xx	137
471	2581	1xx 4xx	78
471	2643	1xx 4xx	78
471	2673	1xx 4xx	78
471	2754	1xx 4xx	78
471	2801	1xx 4xx	78
471	2804	1xx 4xx	78
471	8221	8xx 4xx	128
471	8222	8xx 4xx	128
471	8241	2xx 4xx	136
471	8242	2xx 4xx	136
471	8316	5xx 2xx	16
471	8317	5xx 2xx	16
471	9709	6xx 4xx	40
471	9760	1xx 4xx	77
472	0001	2xx 4xx	138
472	0002	2xx 4xx	138
472	0003	2xx 4xx	138
472	0004	2xx 4xx	138
472	0005	2xx 4xx	138
472	0006	2xx 4xx	138
472	0007	2xx 4xx	138

INDEX

P/N			p.
472	0211	1xx 4x0	88
472	0302	1xx 4x0	88
472	0303	1xx 4x0	88
472	0358	1xx 4x0	88
472	0369	1xx 4x0	88
472	0575	1xx 4x0	88
472	1844	1xx 4x0	88
472	8205	8xx 4xx	129
472	8206	8xx 4xx	129
472	8232	2xx 4xx	139
472	8233	2xx 4xx	139
472	8314	5xx 2xx	18
472	8315	5xx 2xx	18
472	9708	6xx 4xx	42
472	9716	1xx 4xx	87
473	0211	1xx 4xx	83
473	0298	1xx 4xx	83
473	0303	1xx 4xx	83
473	0304	1xx 4xx	83
473	0305	1xx 4xx	83
473	0306	1xx 4xx	83
473	0307	1xx 4xx	83
473	0334	1xx 4xx	83
473	0358	1xx 4xx	83
473	0369	1xx 4xx	83
473	0395	1xx 4xx	83
473	0543	1xx 4xx	83
473	0575	1xx 4xx	83
473	1844	1xx 4xx	83
473	1955	1xx 4xx	83
473	1956	1xx 4xx	83
473	1958	1xx 4xx	83
473	1960	1xx 4xx	83
473	2035	1xx 4xx	83
473	2256	1xx 4xx	83
473	2581	1xx 4xx	83
473	2754	1xx 4xx	83
473	2801	1xx 4xx	83
473	2804	1xx 4xx	83
473	8254	5xx 2xx	27
473	9703	5xx 4xx	17
473	9711	6xx 4xx	41
473	9750	1xx 4xx	82
474	1845	1xx 4xx	93
474	1965	1xx 4xx	93
474	1983	1xx 4xx	93
474	1984	1xx 4xx	93
474	2160	1xx 4xx	93
474	2280	1xx 4xx	93
474	9704	5xx 4xx	19
474	9710	6xx 4xx	43
474	9751	1xx 4xx	92
475	0334	1xx 4x0	158
475	1848	1xx 4x0	159
475	8405	0xx 540	182
475	8406	0xx 540	182
475	8412	0xx 540	181
475	8418	7xx 240	170
475	8424	7xx 240	169
476	0395	1xx 4x0	160
476	2075	1xx 4x0	161
476	8407	0xx 540	184

INDEX

P/N			p.
476	8408	0xx 540	184
476	8409	0xx 540	185
476	8413	0xx 540	183
476	8420	7xx 240	172
476	8425	7xx 240	171
477	2023	2xx 4xx	145
477	2845	1xx 4xx	103
477	3001	1xx 4xx	103
477	8201	1xx 4xx	109
477	8202	1xx 4xx	110
477	8203	1xx 4xx	110
477	8204	1xx 4xx	110
477	8205	1xx 4xx	109
477	8206	2xx 4xx	143
477	8219	8xx 4xx	133
477	8231	1xx 4xx	108
477	8232	1xx 4xx	108
477	8233	1xx 4xx	108
477	8237	2xx 4xx	144
477	8286	6xx 4xx	52
477	8287	6xx 4xx	52
477	8288	6xx 4xx	59
477	8294	6xx 4xx	54
477	8295	6xx 4xx	56
477	8296	6xx 4xx	56
477	8297	xxx 4xx	57
477	8302	6xx 4xx	60
477	8311	5xx 4xx	32
477	9705	5xx 4xx	30
477	9717	1xx 4xx	115
477	9719	1xx 4xx	114
477	9720	1xx 4xx	104
477	9721	1xx 4xx	105
477	9722	1xx 4xx	115
477	9723	1xx 4xx	113
477	9724	1xx 4xx	104
477	9725	1xx 4xx	106
477	9726	1xx 4xx	111
477	9732	6xx 4xx	53
477	9733	6xx 4xx	53
477	9736	6xx 4xx	55
477	9741	5xx 4xx	33
477	9742	6xx 4xx	61
477	9767	1xx 4xx	107
477	9768	1xx 4xx	111
477	9770	1xx 4xx	107
477	9773	6xx 4xx	58
477	9831	5xx 4xx	30
477	9832	5xx 4xx	31
478	2709	1xx 4xx	153
478	2710	1xx 4xx	153
478	2836	1xx 4xx	153
478	2837	1xx 4xx	153
478	3219	1xx 4xx	154
478	3220	1xx 4xx	154
485	3248	0xx 740	156
485	3250	000 4xx	155
485	3401	0xx 740	157
485	8401	000 540	175
485	8402	000 540	178
485	8403	0xx 740	177
485	8404	0xx 740	180

INDEX

P/N			p.
485	8410	0xx 740	176
485	8411	0xx 540	179
485	8414	000 540	163
485	8415	000 540	166
485	8416	7xx 740	165
485	8417	7xx 740	168
485	8422	7xx 740	164
485	8423	7xx 740	167
503	8111	0xx 440	200
503	8112	0xx 440	201
503	8113	0xx 440	198
503	8114	0xx 440	199
503	8115	0xx 440	204
503	8116	0xx 440	205
503	8118	0xx 440	202
503	8120	9xx 440	208
503	8121	9xx 440	206
503	8122	9xx 440	207
503	8125	0xx 440	203
504	7901	004 41x	217
504	7902	004 410	212
504	7903	004 41x	215
504	7904	004 41x	216
504	7905	004 41x	214
504	7906	004 41x	218
504	7907	004 41x	213
504	7908	005 410	221
504	7909	005 410	220
504	7910	005 410	219
508	7820	088 410	223
508	7821	088 410	222
508	7823	088 410	224
508	7850	088 4y0	225
508	7851	088 410	226
668	8211	8xx 4xx	132
668	8212	8xx 4xx	132
668	8236	2xx 4xx	142
670	8322	5xx 2xx	25
670	8323	5xx 2xx	25
670	9822	6xx 4xx	50
670	9823	6xx 4xx	50
670	9824	6xx 4xx	50
670	9825	6xx 4xx	51
670	9826	6xx 4xx	51
670	9827	6xx 4xx	51
671	8213	8xx 4xx	131
671	8214	8xx 4xx	131
671	8234	2xx 4xx	141
671	8235	2xx 4xx	141
671	8280	6xx 2xx	48
671	8320	5xx 2xx	22
671	8321	5xx 2xx	22
671	9749	1xx 4xx	99
671	9798	1xx 4xx	97
671	9806	6xx 4xx	46
671	9807	1xx 4xx	97
671	9808	1xx 4xx	97
673	8255	5xx 2xx	28
673	8324	5xx 2xx	24
673	8325	5xx 2xx	24
673	8334	6xx 2xx	49
673	9702	5xx 4xx	23

INDEX

P/N			p.
673	9769	6xx 4xx	47
673	9809	1xx 4xx	98
673	9810	1xx 4xx	98
673	9811	1xx 4xx	98
673	9812	1xx 4xx	100
676	2130	1xx 4x0	162
677	8012	5xx 4xx	34
677	8013	5xx 4xx	29
677	8222	8xx 4xx	134
677	8238	2xx 4xx	146
677	8239	2xx 4xx	147
677	8279	5xx 4xx	37
677	8290	6xx 4xx	68
677	8291	6xx 4xx	69
677	8292	6xx 4xx	73
677	8293	6xx 4xx	73
677	8299	6xx 4xx	70
677	8300	6xx 4xx	64
677	8301	6xx 4xx	65
677	8303	6xx 4xx	71
677	8304	6xx 4xx	62
677	8309	1xx 4xx	120
677	8310	5xx 4xx	35
677	8334	1xx 4xx	119
677	8419	7xx 240	173
677	8421	7xx 240	174
677	9707	5xx 4xx	36
677	9734	6xx 4xx	66
677	9735	6xx 4xx	67
677	9753	1xx 4xx	117
677	9754	1xx 4xx	118

P/N			p.
677	9784	6xx 4xx	63
677	9797	1xx 4xx	116
677	9841	6xx 4xx	72
877	9507	1xx 5x0	234
877	9530	1xx 5x0	234
903	9911	1xx 4xx	85
903	9913	1xx 4xx	85
903	9915	1xx 4xx	85
903	9917	1xx 4xx	85
903	9919	1xx 4xx	85
903	9921	1xx 4xx	85
903	9922	1xx 4xx	85
903	9924	1xx 4xx	85
903	9928	1xx 4xx	85
903	9931	1xx 4xx	85
903	9932	1xx 4xx	85
903	9933	1xx 4xx	85
971	9911	1xx 4xx	79
971	9913	1xx 4xx	79
971	9915	1xx 4xx	79
971	9917	1xx 4xx	79
971	9919	1xx 4xx	79
971	9921	1xx 4xx	79
971	9922	1xx 4xx	79
971	9924	1xx 4xx	79
971	9928	1xx 4xx	79
971	9931	1xx 4xx	79
971	9933	1xx 4xx	79
971	9935	1xx 4xx	79
971	9937	1xx 4xx	79
971	9939	1xx 4xx	79

INDEX

P/N			p.
971	9942	1xx 4xx	79
972	9915	1xx 4xx	89
972	9917	1xx 4xx	89
972	9919	1xx 4xx	89
972	9921	1xx 4xx	89
972	9922	1xx 4xx	89
972	9924	1xx 4xx	89
972	9928	1xx 4xx	89
972	9931	1xx 4xx	89
972	9933	1xx 4xx	89
972	9935	1xx 4xx	89
972	9937	1xx 4xx	89
972	9939	1xx 4xx	89
972	9942	1xx 4xx	89
973	9911	1xx 4xx	84
973	9913	1xx 4xx	84
973	9915	1xx 4xx	84
973	9917	1xx 4xx	84
973	9919	1xx 4xx	84
973	9921	1xx 4xx	84
973	9922	1xx 4xx	84
973	9924	1xx 4xx	84
973	9928	1xx 4xx	84
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973	9935	1xx 4xx	84
973	9937	1xx 4xx	84
973	9939	1xx 4xx	84
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974	9951	1xx 4xx	94
974	9952	1xx 4xx	94
974	9953	1xx 4xx	94
974	9954	1xx 4xx	94
974	9967	1xx 4xx	94
974	9974	1xx 4xx	94
974	9979	1xx 4xx	94
985	9911	1xx 4xx	76
985	9913	1xx 4xx	76
985	9915	1xx 4xx	76
985	9917	1xx 4xx	76
985	9919	1xx 4xx	76
985	9921	1xx 4xx	76
985	9922	1xx 4xx	76
985	9924	1xx 4xx	76
985	9928	1xx 4xx	76
985	9931	1xx 4xx	76
985	9933	1xx 4xx	76
985	9935	1xx 4xx	76
985	9937	1xx 4xx	76
985	9939	1xx 4xx	76
985	9942	1xx 4xx	76
987	9911	1xx 4xx	86
987	9913	1xx 4xx	86
987	9915	1xx 4xx	86
987	9917	1xx 4xx	86
987	9919	1xx 4xx	86
987	9922	1xx 4xx	86
987	9924	1xx 4xx	86
987	9928	1xx 4xx	86
987	9931	1xx 4xx	86
987	9933	1xx 4xx	86
989	9911	1xx 4xx	81

INDEX

P/N			p.
989	9913	1xx 4xx	81
989	9915	1xx 4xx	81
989	9917	1xx 4xx	81
989	9919	1xx 4xx	81
989	9921	1xx 4xx	81
989	9922	1xx 4xx	81
989	9924	1xx 4xx	81
989	9928	1xx 4xx	81
989	9931	1xx 4xx	81
989	9933	1xx 4xx	81
989	9935	1xx 4xx	81
989	9937	1xx 4xx	81
989	9939	1xx 4xx	81
989	9942	1xx 4xx	81
991	9951	1xx 4xx	91
991	9952	1xx 4xx	91
991	9953	1xx 4xx	91
991	9954	1xx 4xx	91
991	9979	1xx 4xx	91
BS442/xx GR			151
BS95/x GR			189
CFM/xx x GR			190
CFM2.5/xx xx GR			152
CQx/Ax/xNE			191
CQx/Bx/xNE			192
CQx/Cx/xNE			193
CQx/Dx/xNE			194
CQx/Ex/xNE			195
CT31xSN			150
CT84SN			188
CTR1P5/xx SQ Vyy NA			187
CTR1P5/xx Vyy NA			186
GK xxx xx 2 x x x BBEE			209

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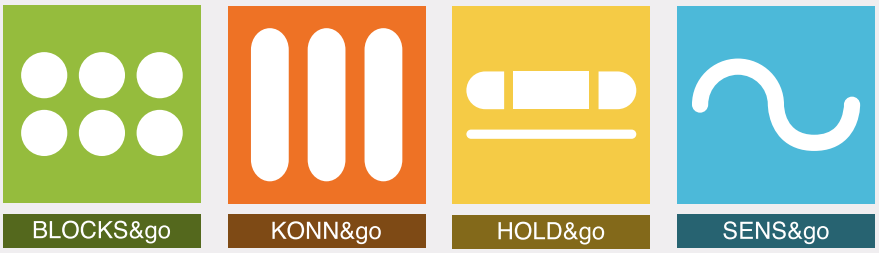

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