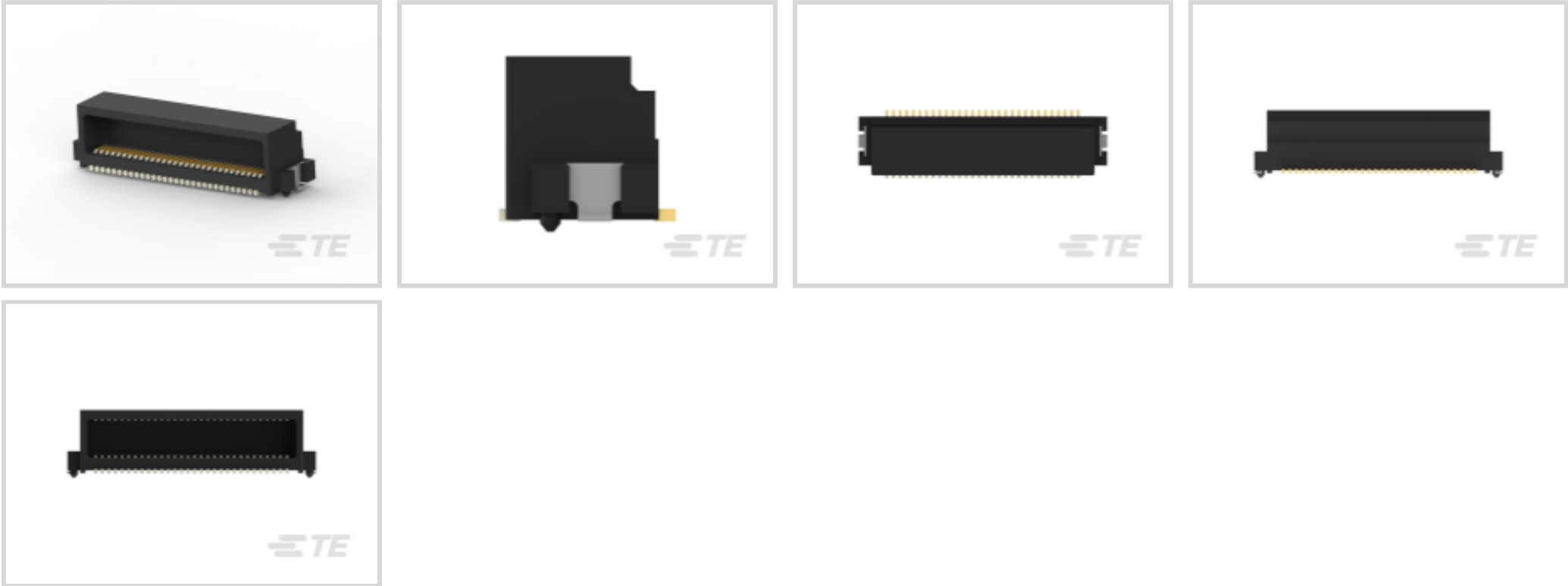




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

Connector System: **Board-to-Board**

Number of Positions: **60**

Centerline (Pitch): **.5 mm [.019 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	30
Stackable	No
PCB Mount Orientation	Right Angle
Number of Positions	60

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC



Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Mating Area Plating Material Thickness	.05 µm[2 µin]
PCB Contact Termination Area Plating Material Thickness	.05 – .127 µm[2 – 5 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Tab
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Width	.6 mm[.023 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	None
PCB Mount Retention Type	None
PCB Mount Alignment Type	None
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Housing Material	High heat-resisted resin
Centerline (Pitch)	.5 mm[.019 in]

Dimensions

Connector Width	4.45 mm[.175 in]
PCB Thickness (Recommended)	2 – 5 mm[.05 – .127 in]
Connector Height	4.75 mm[.187 in]
Connector Length	16.9 mm[.665 in]

Usage Conditions

--	--



Housing Temperature Rating	High
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	1000
Packaging Method	Tape & Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°C

Product Compliance Disclaimer


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

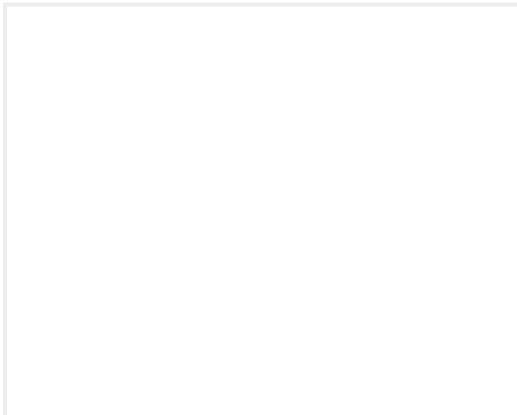





TE Part # 6-5353159-5
ON TAPING (EMBOSS) 0.5MM PITCH



TE Part # 1565357-5
ON TAPING(EMBOSS) 0.5MM PITCH




TE Part # 1-179649-5
0.5 BTB TAB CONT H DURAGOLD/DL




TE Part # 6-5353159-0
ON TAPING (EMBOSS) 0.5MM PITCH
FS CONN.


Customers Also Bought




TE Part #6-1879352-7
RR02 5% 180R AMMO



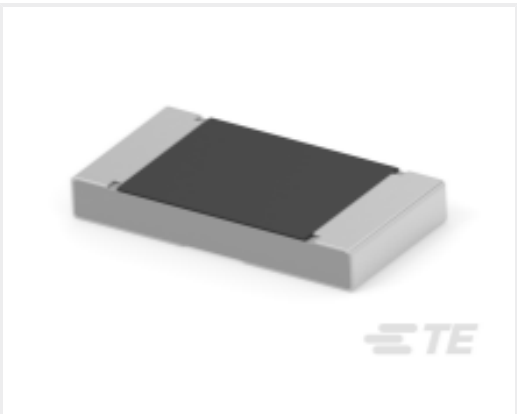
TE Part #L9000273-01
SMA Plug 50 Ohm .031 PCB Edge Mount




TE Part #1-406525-1
IMJ,NO SHLD,8P,TRAY, SN




TE Part #1747025-6
ON TAPING(EMBOSS) 0.5MM PITCH




TE Part #8-2176526-1
3503G 2B 348R 1% 5K RL



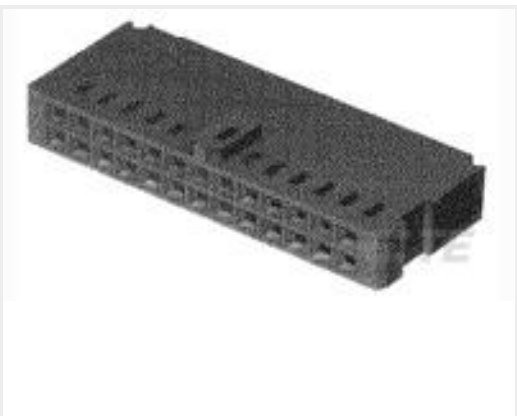
TE Part #2425755-1
5 position tactile, 12x12




TE Part #2383945-6
TERMI-BLOK SMD MOUNT 180_6P_3. 81 MM 12A



TE Part #5-2176526-5
3503G 2B 187R 1% 5K RL



TE Part #102387-2
14 MODIV HSG COMP DR .100 POL



TE Part #1565357-6
ON TAPING(EMBOSS) 0.5MM PITCH

Documents

- Product Drawings

ON TAPING(EMBOSS) 0.5MM PITCH

English
- CAD Files

3D PDF

3D
- Customer View Model

ENG_CVM_CVM_1747025-5_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1747025-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1747025-5_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Fine Pitch Catalog - 0.5mm Fine Stack and Fine Mate Connectors](#)

English

Product Specifications

[0.5mm Pitch Fine Mate Conn.](#)

Japanese

Product Specification

Japanese

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[0.5/0.8MM PITCH FINE MATE CONN.](#)

English