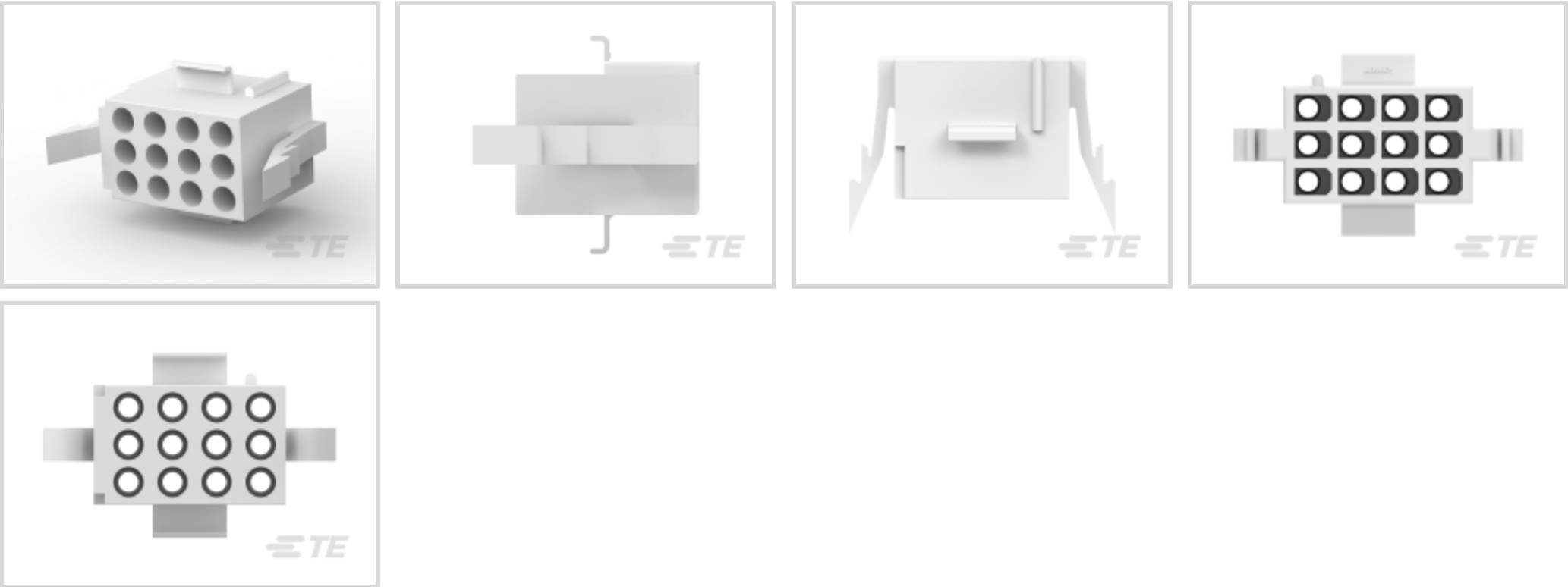




Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
Connector & Housing Type: **Plug**
Termination Method to Wire & Cable: **Crimp**
Connector System: **Wire-to-Panel, Wire-to-Wire**
Contact Retention Within Housing: **Without**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	3

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

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Contact Layout	Matrix
Contact Type	Socket
Contact Retention Within Housing	Without

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Locking Leg
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	Nylon
Centerline (Pitch)	6.09 mm[.24 in]

Dimensions

Row-to-Row Spacing	5.13 mm[.202 in]
Panel Thickness (Recommended)	.64 – 1.65 mm[.025 – .065 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Certified, Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 16455
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	1
Packaging Method	Bag



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: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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

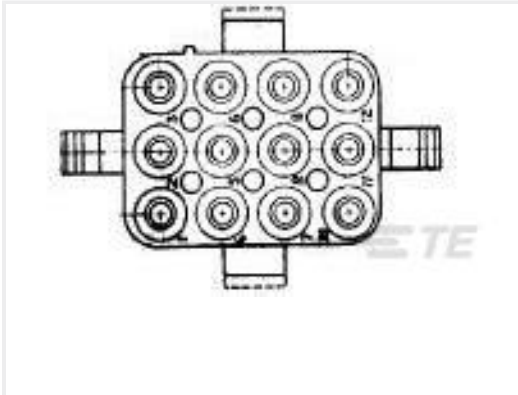
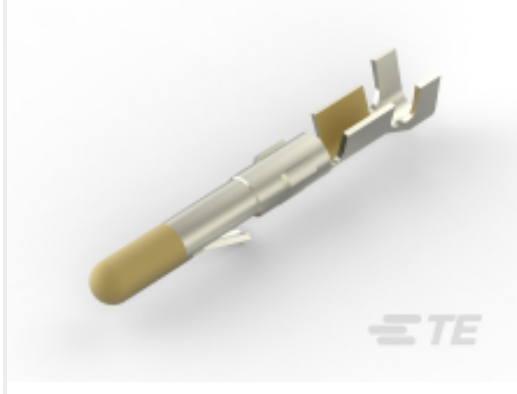
TE Part # 163555-5
MATE-N-LOK PIN 0,3-

TE Part # 163302-3
MATE-N-LOK SOCKET

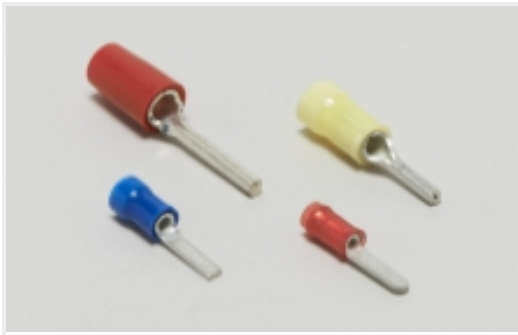
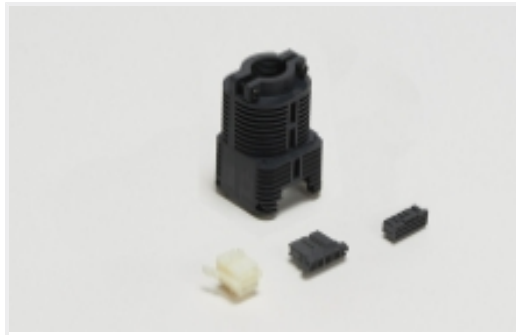
TE Part # 61118-1
MNL PIN 20-14 TPBR

TE Part # 61314-1
CMNL SOK 24-18 TPBR



 TE Part # 163301-6 MATE-N-LOK PIN	 TE Part # 163307-4 MATE-N-LOK PIN	 TE Part # 163301-8 MATE-N-LOK PIN	 TE Part # 163300-2 SOCKET MATE-N-LOK
 TE Part # 163305-4 PIN MATE-N-LOK	 TE Part # 1-163032-0 MATE-N-LOK HOUSING	 TE Part # 170147-1 MATE-N-LOK SOCKET 2	 TE Part # 163306-2 MATE-N-LOK SOCK
 TE Part # 170147-2 MNL SOCKET PRE-TIN PH BR	 TE Part # 163302-4 MATE-N-LOK SOCKET	 TE Part # 163303-8 MATE-N-LOK PIN	 TE Part # 163555-8 MATE-N-LOK PIN 0,3-
 TE Part # 350079-4 CMNL PIN 30-22 PTPHBZ	 TE Part # 60617-4 CMNL SOK PTPHBZ L/P	 TE Part # 61116-5 CMNL PIN 24-18 AUNIBR	 TE Part # 60617-1 CMNL SOK SNBR L/P

Also in the Series | Commercial MATE-N-LOK

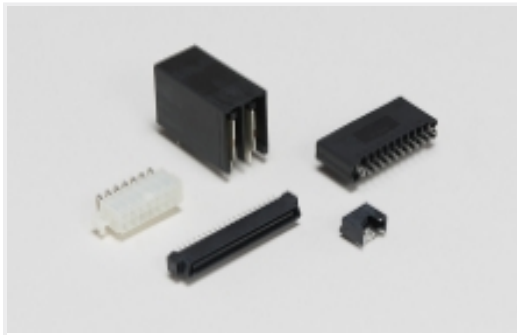
 Connector Contacts(150)	 Crimp Wire Pins, Tabs & Ferrules(2)	 Power Contacts(146)	 Rectangular Connector Housings(118)
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Rectangular Power Connectors(182)



Standard Circular Connectors(2)



Standard Rectangular Connectors(126)

Customers Also Bought



TE Part #A150-L
WHIP,AB,1/4,150/174MHZ 157,0,CH, GP,LOW P



TE Part #4-1393249-3
W58-XC4C12A-20=W58



TE Part #1-543382-0
INSERT/EXTRACT TIP 25-KIT



TE Part #QW800
WHIP, QW, 1/4,806-896MHz 851, 0dB, CH, G



TE Part #1-480323-0
15P CMNL PLUG HSG P/M NATL



TE Part #320552
PIDG R 22-16 COMM 22-18 MIL 10



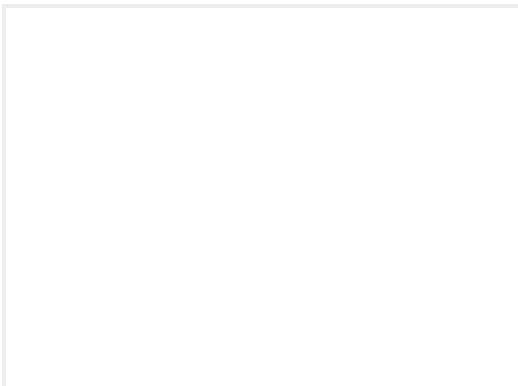
TE Part #52929-3
PIDG SP SPD 22-16COMM22-18MIL6



TE Part #4-1393249-6
W58-XC4C12A-30=W58



TE Part #1-6609016-7
10ED1C=F7433 S0



TE Part #TRAB7603
OMNI,SB,PH,760-870MHz

Documents

Product Drawings

12P CMNL PLUG HSG P/M NATL

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-480275-0_M.2d_dxf.zip



English

Customer View Model

[ENG_CVM_1-480275-0_M.3d_igs.zip](#)

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Customer View Model

[ENG_CVM_1-480275-0_M.3d_stp.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-480275-0_AU.2d_dxf.zip](#)

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Customer View Model

[ENG_CVM_CVM_1-480275-0_AU.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480275-0_AU.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

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Product Specifications

[Application Specification](#)

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Instruction Sheets

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

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

English

Agency Approvals

[Agency Approval Document](#)

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