



Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Connector Contacts



Contact Type: **Socket**

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

Centerline (Pitch): **3.81 mm [.15 in]**

Contact Mating Area Plating Material: **Tin**

Contact Orientation: **Horizontal**

Features

Product Type Features

Applied Pressure	High
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1200 VAC
Insulation Resistance	5000 MΩ
Contact Resistance	12 mΩ

Body Features

Printed Circuit Board Hole Shape	Round
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2.0066 μm[79 μin]
Contact Mating Area Plating Material Thickness	2.0066 μm[79 μin]
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Contact Orientation	Horizontal
Contact Current Rating (Max)	5 A

Termination Features



Termination Post & Tail Length	3.68 mm[.145 in]
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Mechanical Attachment

Wire Insulation Support	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	3.81 mm[.15 in]

Dimensions

PCB Thickness (Recommended)	1.4 – 2.62 mm[.055 – .103 in]
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Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Quantity	1000
Packaging Method	Loose Piece

Product Compliance

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

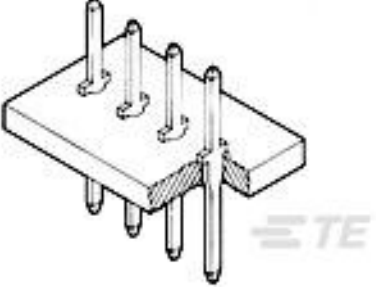
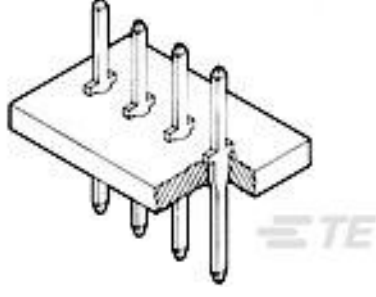
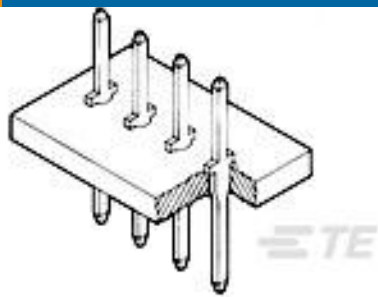
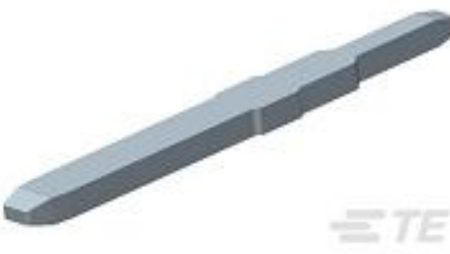
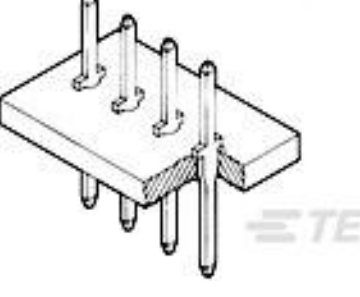
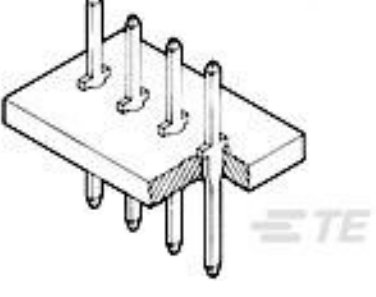
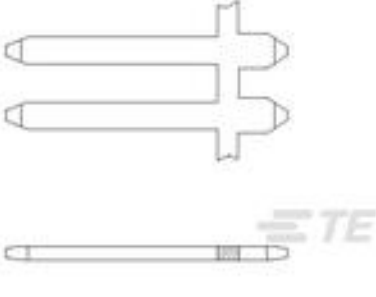
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

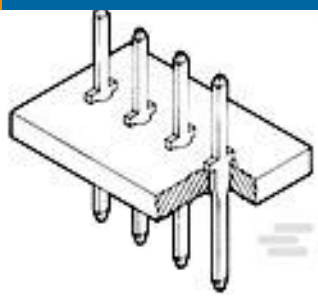
Product Compliance Disclaimer



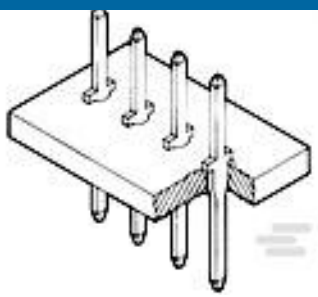
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

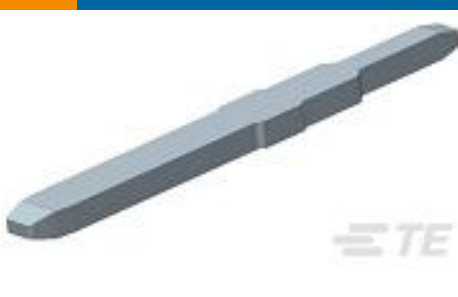
 TE Part # 86181-2 MOD I KEYING PLUG	 TE Part # 826576-3 3P MOD 1 UNSHROUDED HEADER, ST, TIN	 TE Part # 3-5086147-7 MOD I POST PLTD SN, ROHS	 TE Part # 3-86147-7 MOD I POST PLTD SN
 TE Part # 5-87194-5 06 MOD I HDR SRRA .156CL, ROHS	 TE Part # 6-87160-1 10 MOD I HDR SRST .156CL, ROHS	 TE Part # 826576-5 5P MOD 1 UNSHROUDED HEADER, ST, TIN	 TE Part # 1-280458-6 AMP MODU I CONT POST PH-BR
 TE Part # 1-5086147-0 MOD I POST PLTD SN, ROHS	 TE Part # 1-826576-3 13P MOD 1 UNSHROUDED HEADER, ST, TIN	 TE Part # 1-826576-5 15P MOD 1 UNSHROUDED HEADER, ST, TIN	 TE Part # 1-826576-7 17P MOD 1 UNSHROUDED HEADER, ST, TIN
 TE Part # 1-85842-9 MOD I INCR POST	 TE Part # 1-86147-0 MOD I POST PLTD SN	 TE Part # 1-86182-0 MOD I POST LP	 TE Part # 147506-2 MOD I POST PLTD SN



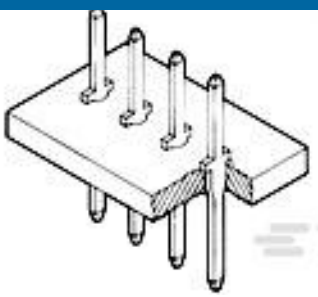
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MOD I POST PLTD SN, ROHS



TE Part # 2-5086182-2
MOD I POST LP, ROHS



TE Part # 2-85842-0
MOD I INCR POST PLTD SN



TE Part # 2-86147-2
MOD I POST PLTD SN

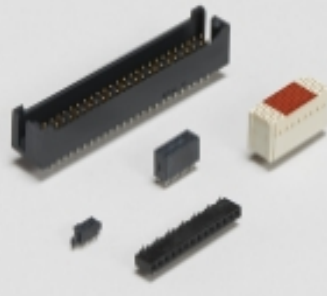
Also in the Series | AMPMODU MOD 1



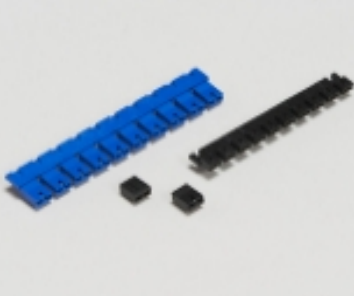
Automotive Terminals(6)



Board-to-Board Connector Contacts
(104)



Board-to-Board Headers & Receptacles(372)



Board-to-Board Jumpers & Shunts(5)



Insertion & Extraction Tools(1)



PCB Connector Keying(2)

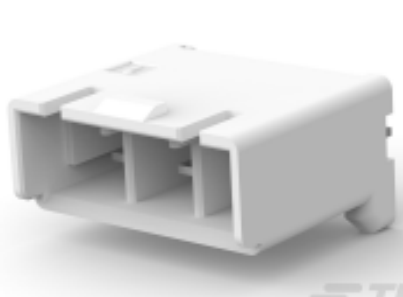


Wire-to-Board Connector Assemblies
& Housings(44)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



TE Part #1376387-1
Glow Wire Power Key Header



TE Part #1393105-4
KRPA-5DG-24=KRPA



TE Part #2-1825142-4
AE103MD1AB04



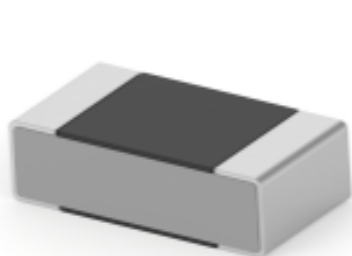
TE Part #1879808-4
RP 1J 86K6 0.1% 15PPM 5K RL



TE Part #1393203-4
V23148-A0003-A101



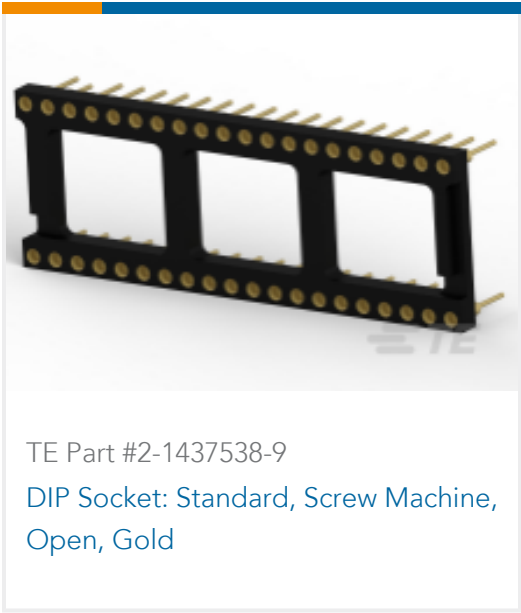
TE Part #1571220-2
SWITCH,TACT,12X12,SEALD,W/POST



TE Part #1-1879207-7
RN 0603 294K 0.1% 10PPM 5K RL



TE Part #1546657-2
2P PCV DUAL BARRIER,0.250



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_86434-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_86434-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_86434-1_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION_6_7AND8

English

Product Specifications

Application Specification

English

AMPMODU Mod I Receptacle Crimp Contact

English

Agency Approvals

UL Report

English