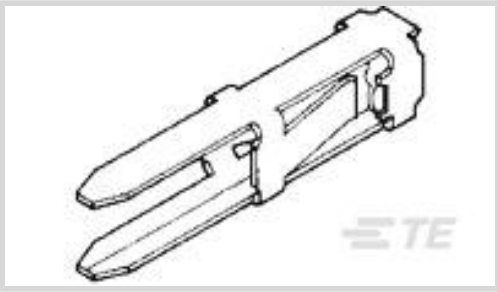




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Connector Contacts



Contact Type: **Socket**
Connector System: **Board-to-Board**
Centerline (Pitch): **3.81 mm [.15 in]**
Contact Mating Area Plating Material: **Tin**
Contact Orientation: **Straight**

Features

Product Type Features

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

Body Features

Printed Circuit Board Hole Shape	Rectangular
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Contact Features

PCB Contact Termination Area Plating Material Thickness	.76 µm[29.9212 µin]
Contact Mating Area Plating Material Thickness	.76 µm[29.9212 µin]
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Tin
Contact Orientation	Straight
Contact Current Rating (Max)	5 A

Termination Features

Termination Post & Tail Length	2.85 mm[.112 in]
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Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 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	5000
Packaging Method	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 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

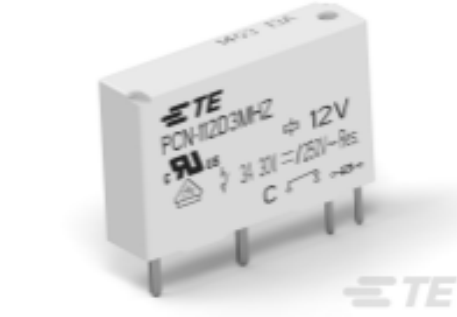
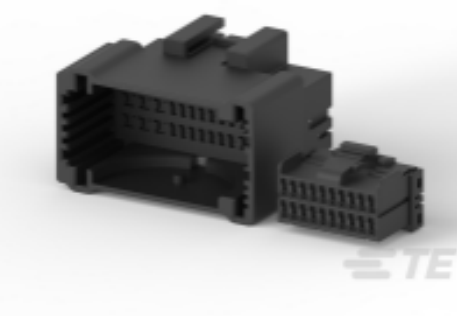
 TE Part # 3-5086147-7 MOD I POST PLTD SN, ROHS	 TE Part # 1-5086147-0 MOD I POST PLTD SN, ROHS	 TE Part # 2-5086147-2 MOD I POST PLTD SN, ROHS	 TE Part # 2-5086182-2 MOD I POST LP, ROHS
 TE Part # 5086147-1 MOD I POST PLTD SN, ROHS	 TE Part # 5086147-2 MOD I POST PLTD SN, ROHS	 TE Part # 5086147-9 MOD I POST PLTD SN, ROHS	

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 #T4140012041-000 M12 Panel Mount PCB	 TE Part #1721081-2 PCN 3A/5A SLIM PCB RELAY 3VDC	 TE Part #1624094-1 3613C 10UH 10%	 TE Part #1624094-8 3613C 22UH 10%
 TE Part #1676970-7 RN 0603 59K 0.1% 10PPM CUT LENGTH	 TE Part #174057-2 MULTILOCK, CONNECTOR HOUSING	 TE Part #1461330-6 STD OEG Miniature PCB OJT Power Relays	 TE Part #1-770872-0 02P MINI UMNL HDR ASSY SN
 TE Part #1-928776-3 MOD2 STIFT M A-PIN	 TE Part #1725761-1 KIT, SEATING TOOL, 1X4		

Documents

Product Drawings
MOD I RECP STMPD

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_86448-1_AA.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_86448-1_AA.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_86448-1_AA.3d_stp.zip

English

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

Product Specifications

86448-1

AMPMODU MOD 1, Connector Contact, Socket, Board-to-Board, 3.81mm [.15in]
Centerline, Tin, Straight, Printed Circuit Board



Application Specification

English