

86442-1 ✓ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 86442-1

Connector Contact, Socket, Board-to-Board, 3.81 mm [.15 in]

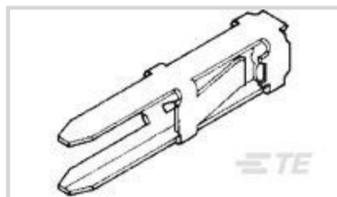
Centerline, Tin, Straight, Printed Circuit Board, 5 A, Signal, Board

Mount, AMPMODU MOD 1

[View on TE.com >](#)



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	Pre-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
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Connector Mounting Type	Board Mount
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Housing Features

Mating Entry Location	Bottom
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Centerline (Pitch)	3.81 mm [.15 in]
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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
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Packaging Method	Reel
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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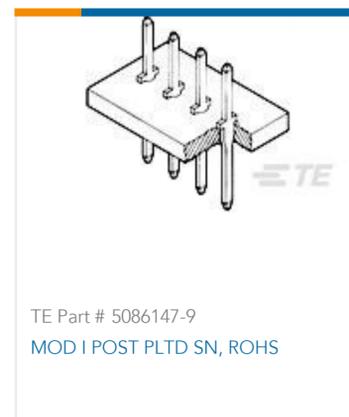
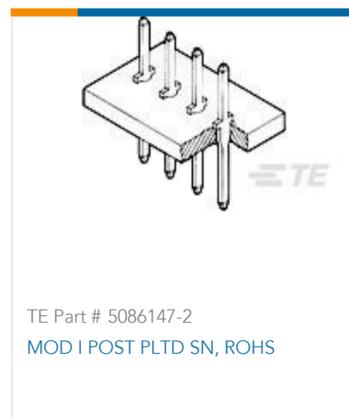
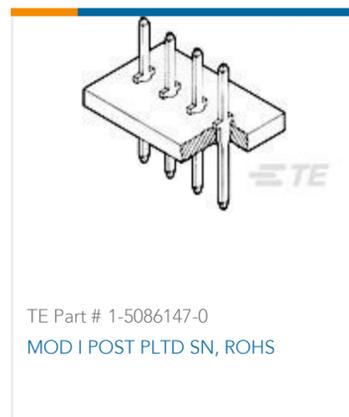
Solder Process Capability	Wave solder capable to 265°C
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Product Compliance Disclaimer

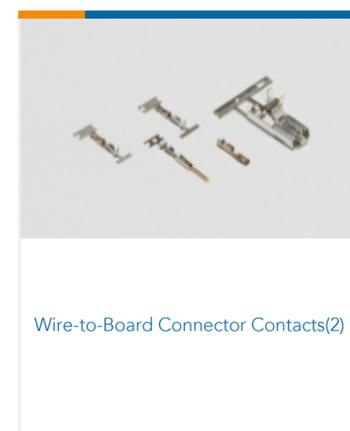
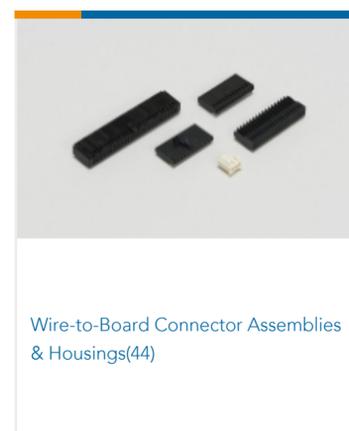
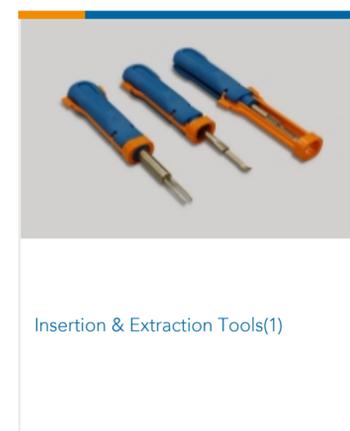
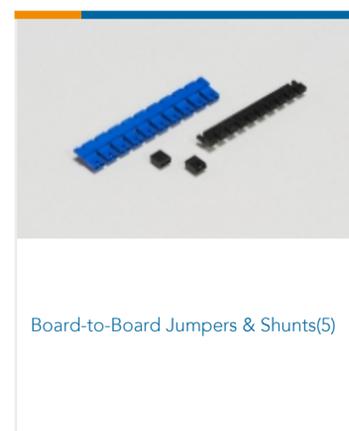
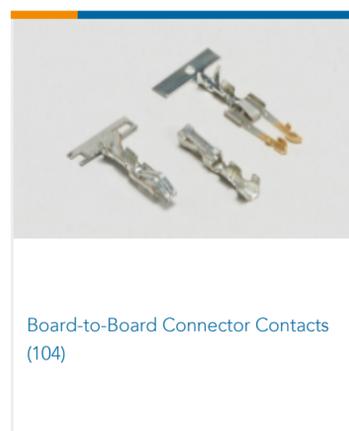
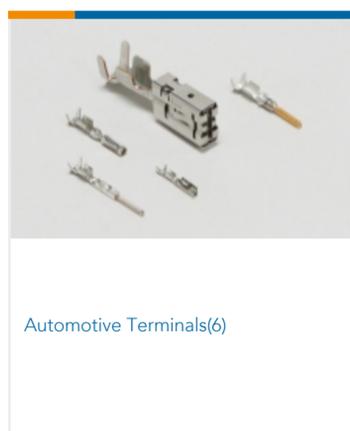
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Also in the Series | AMPMODU MOD 1



Documents

Product Drawings



MOD I RECP STMPD

English

Product Specifications

Application Specification

English