1-86182-0 ✔ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 1-86182-0

Connector Contact, Pin, Tin, Straight, Printed Circuit Board, 5 A, -65 – 60 °C, AMPMODU MOD 1
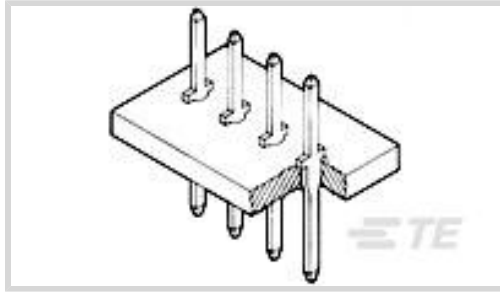
View on TE.com >

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

Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

Contact Orientation: **Straight**

Connector & Contact Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **5 A**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board

Electrical Characteristics

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

Contact Features

Contact Mating Area Length	20.32 mm[.8 in]
	100 – 200 μin
Contact Mating Area Plating Material Finish	Bright
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Contact Orientation	Straight
Contact Current Rating (Max)	5 A

Termination Features

Termination Post & Tail Length	3.81 mm[.15 in]

Mechanical Attachment

Wire Insulation Support	Without

Usage Conditions

Operating Temperature Range	-65 – 60 °C

Packaging Features

Packaging Quantity	1000
Packaging Method	Loose Piece

Other

Comment	Minimum nominal centerline spacing between adjacent contacts is .125., Post center may vary depending on requirements., Strip form posts applied with Insertion Machine Number 3-457382-1, includes power unit and applicator.

Product Compliance

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

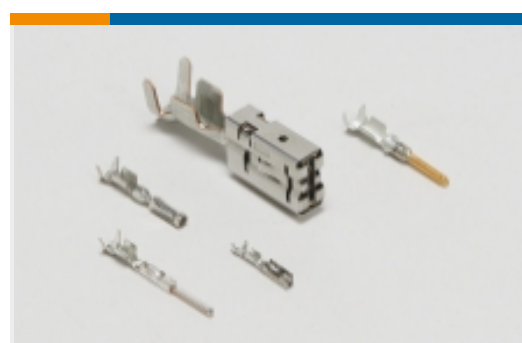| EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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
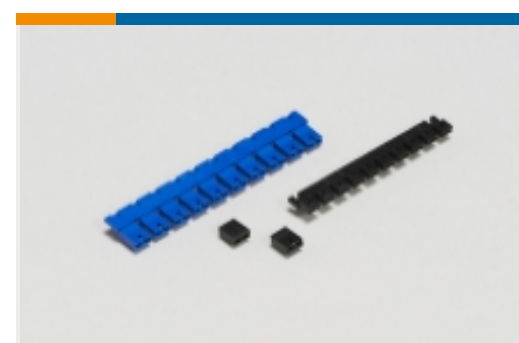
TE Part # 86434-1
MOD I RECP LP

Also in the Series | AMPMODU MOD 1

Automotive Terminals(6)

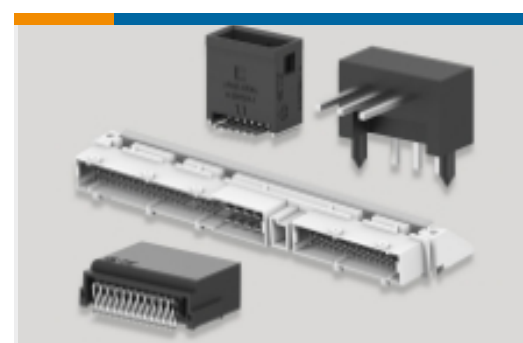Board-to-Board Connector Contacts (104)
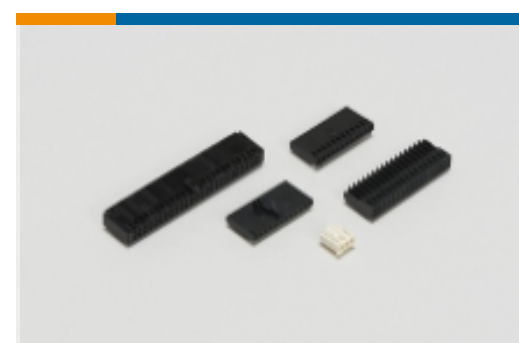
Board-to-Board Jumpers & Shunts(5)

Insertion & Extraction Tools(1)

PCB Connector Keying(2)

PCB Headers & Receptacles(372)

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

Wire-to-Board Connector Contacts(2)

Documents

Product Drawings
MOD I POST LP

English

Product Specifications
Product Specification

English