86432-1 ✔ ACTIVE

AMPMODU | AMPMODU MOD 1

TE Internal #: 86432-1

Tin (Sn), Socket Contact, Phosphor Bronze, Signal, -65 – 105 °C [-85 – 221 °F], AMPMODU MOD 1

View on TE.com >

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin (Sn)**

Contact Base Material: **Phosphor Bronze**

Product Terminates To: **Printed Circuit Board**

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

Features

Product Type Features

Applied Pressure	High

Electrical Characteristics

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

Contact Features

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

Termination Features

Termination Post & Tail Length	3.68 mm[.145 in]
Product Terminates To	Printed Circuit Board

Mechanical Attachment

Wire Insulation Support	Without
PCB Mount Retention	Without

Housing Features

Mating Entry Location	Side

Dimensions

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

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Packaging Features

Packaging Method	Reel
Packaging Quantity	5000

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 6-87160-1
10 MODI HDR SRST .156CL, ROHS

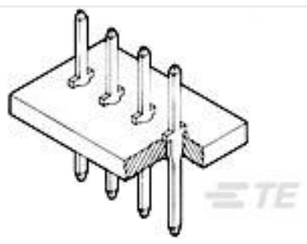
TE Part # 86432-7
MOD I RECP STMPD



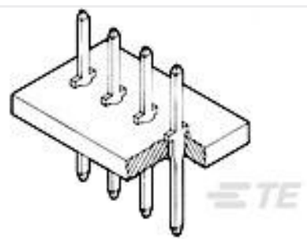
TE Part # 5-87655-2
02 MODI HDR SRRA .156CL, ROHS



TE Part # 86181-2
MODI KEYING PLUG

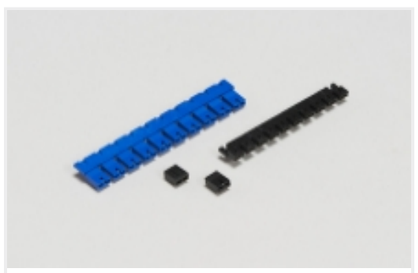


TE Part # 1-5086147-0
MOD I POST PLTD SN, ROHS



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

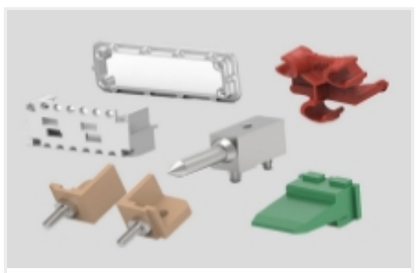
Also in the Series | AMPMODU MOD 1



Board-to-Board Jumpers & Shunts(1)



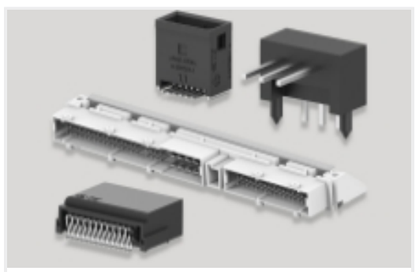
Connector Contacts(41)



Connector Hardware(2)



Insertion & Extraction Tools(1)



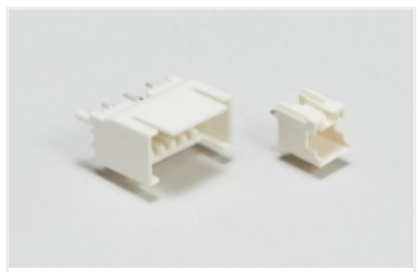
PCB Headers & Receptacles(81)



Power Contacts(1)



Rectangular Power Connectors(16)



Wire-to-Board Headers & Receptacles (28)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



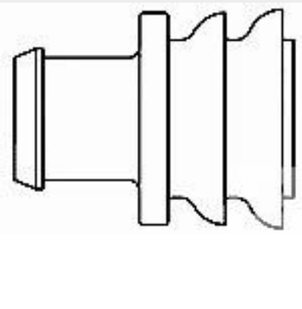
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

AMP-0-0086432-1

English

Product Specifications

Application Specification

English