



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **16**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 V
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Body Features

Connector Profile	Standard
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2.5 µm
Contact Shape & Form	Round
PCB Contact Termination Area Plating Material	Tin



Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.381 μm[15 μin]
Contact Type	Pin

Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Box



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	Not Low Halogen - contains Br or Cl > 900 ppm.
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>

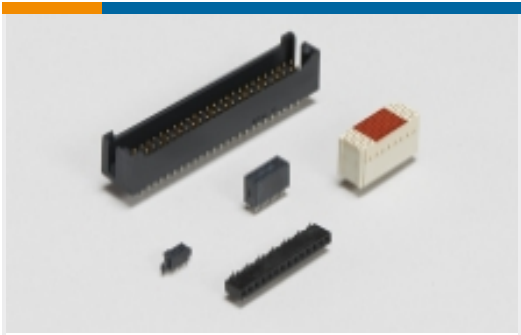
Compatible Parts

TE Part # 280366
AMPMODU II REC. HSG DUAL ROW,
16 POS.

Also in the Series | AMPMODU Headers



Automotive Headers(10)



Board-to-Board Headers & Receptacles(7077)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



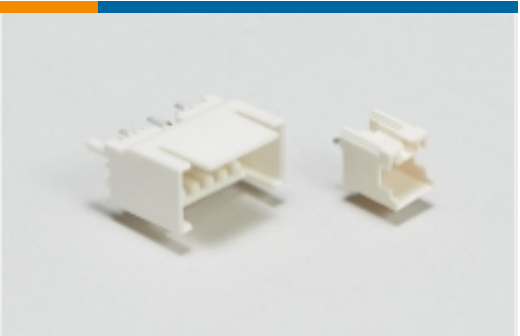
PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(5)

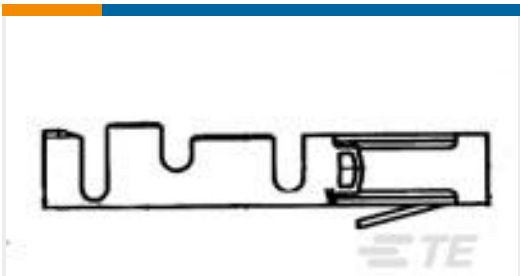


Wire-to-Board Connector Contacts(66)

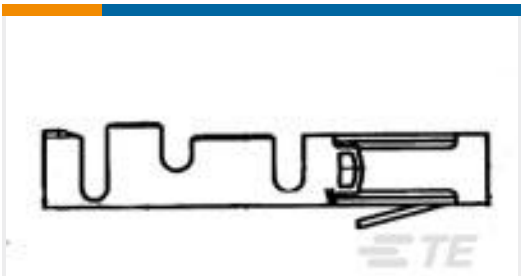


Wire-to-Board Headers & Receptacles (79)

Customers Also Bought



TE Part #181270-1
AMP-MODU CONTACT



TE Part #181270-2
MOD II CONTACT L.P.



TE Part #1676282-2
RN 0805 2K0 0.1% 10PPM 1KRL



TE Part #1393240-6
RT314615



TE Part #1614350-2
RN 0603 10R 0.1% 10PPM CUT LENGTH



TE Part #9-1879517-1
CRGH1206 1% 27R 0.5W



TE Part #1337772-3
50/OHM COAX BNC STR PLUG ELB P



TE Part #1734290-1
IEEE 1394, RCPT, 6P, V/T, DIP, H 2.69



TE Part #181271-2
MOD 2 CONTACT REC.



TE Part #1SNA150041R0000
TH35-7.5-P6-1METER

Documents



Product Drawings

2X8P MODU II SHRD HDR,RT ANG,0.38AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_280390-2_AB_c-280390-2-ab.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_280390-2_AB_c-280390-2-ab.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_280390-2_AB_c-280390-2-ab.3d_stp.zip

English

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

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English