

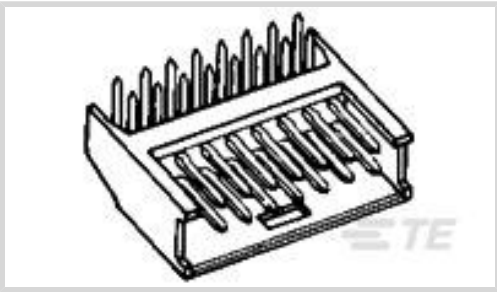
TE Internal #: 280390-1

PCB Mount Header, Right Angle, Board-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin (Sn), AMPMODU Headers

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **16**

Number of Rows: **2**

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

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 V
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Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Shape & Form	Round
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PCB Contact Termination Area Plating Material Thickness	3.5 μm
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin

Termination Features

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

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
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	-40 – 80 °C[-40 – 176 °F]

Operation/Application

Circuit Application	Power & Signal
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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: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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



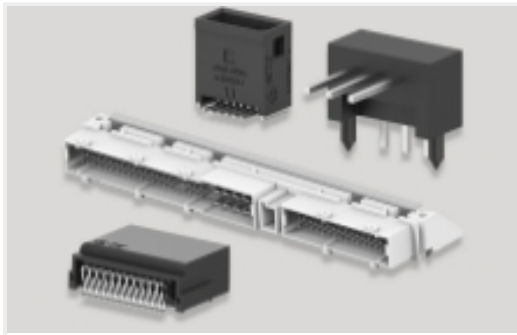
Also in the Series | [AMPMODU Headers](#)



Automotive Headers(3)



Automotive Signal & Power Headers(3)



PCB Headers & Receptacles(1263)

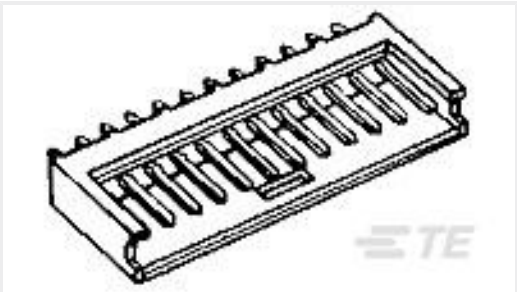


Rectangular Power Connectors(25)



Wire-to-Board Headers & Receptacles (91)

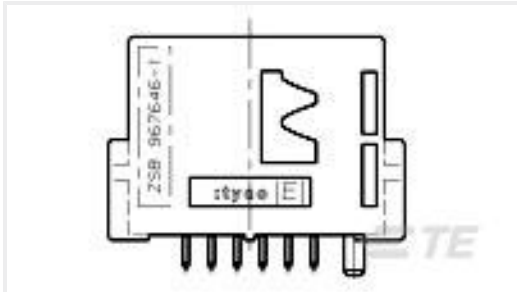
Customers Also Bought



TE Part #280372-2
6P AMPMODU II SHRD HDR, ST, 0.38 AU



TE Part #280522-2
2X12P MODU II SHRD HDR, RT ANG, AU



TE Part #967646-1
12pos MQS .63 header 180deg



TE Part #1-1614885-6
CPF 0805 330K 0.1% 25PPM 1K RL



TE Part #1623551-1
CRG1206 1% 68R



TE Part #4-1676481-3
CPF 0603 330R 0.1% 25PPM 1K RL



TE Part #1-1879225-1
CPF 0603 49K9 0.1% 25PPM 1K RL



TE Part #5-2176217-5
CPF A 0805 22K 0.1% 25PPM 1K RL



TE Part #3-2176343-4
CRGCQ 1206 5K6 1%



TE Part #2-2176349-2
CRGCQ 2512 560R 1%

Documents



Product Drawings

2X8P MODU II SHRD HDR, RT ANG,TIN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_280390-1_AB_c-280390-1-ab.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_280390-1_AB_c-280390-1-ab.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_280390-1_AB_c-280390-1-ab.3d_stp.zip

English

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

Agency Approvals

UL

English