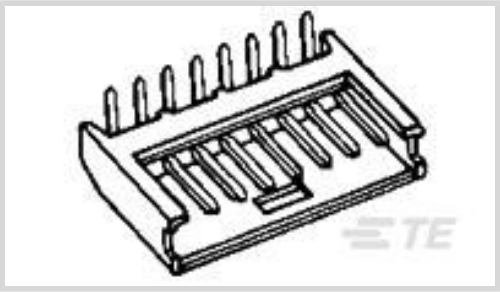




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **12**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	40 VDC
Dielectric Withstanding Voltage (Max)	750 V

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	14.9 mm[.587 in]
Connector Height	5 mm[.197 in]
Connector Length	33.1 mm[1.3 in]

Packaging Features

Packaging Quantity	500
Packaging Method	Box, Carton

Industry Standards

Industry Standard	IEC
Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]

Body Features

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Connector Profile	Standard
Primary Product Color	Black

Mechanical Attachment

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

Termination Features

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

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Mating Square Post Dimension	.63 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	6.6 mm[.259 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Housing Features

Housing Material	Flame Retardant Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Configuration Features

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Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	12
Number of Rows	1

Product Type Features

Connector Shape	Rectangular
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

Operation/Application

Circuit Application	Power & Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



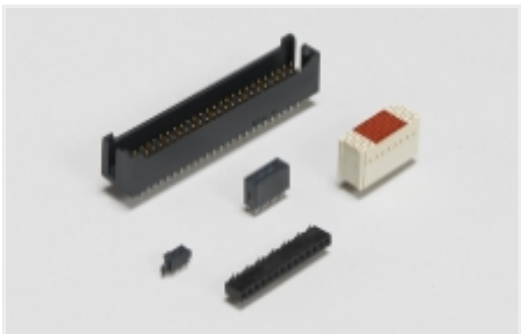
TE Part # 280514

AMPMODU II REC. HSG, SINGLE ROW, 12 POS.

Also in the Series | AMPMODU Headers



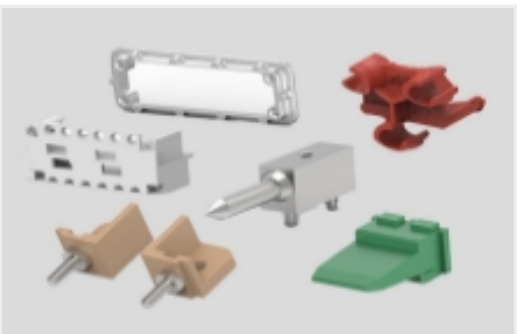
Automotive Headers(3)



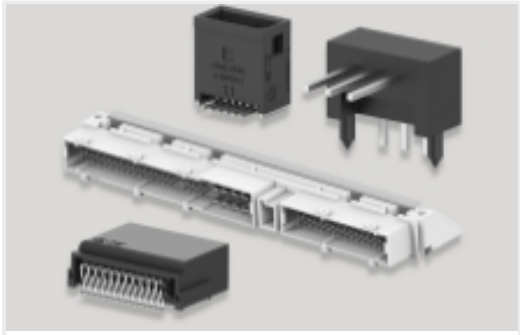
Board-to-Board Headers & Receptacles(1571)



Connector Contacts(52)



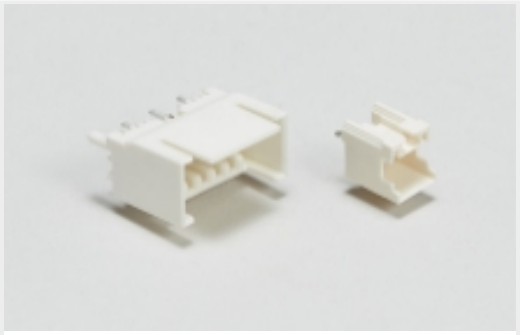
Connector Hardware(1)



PCB Headers & Receptacles(1618)



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



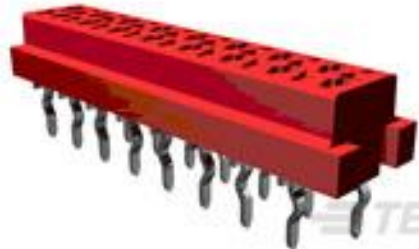
Wire-to-Board Headers & Receptacles (116)

Customers Also Bought



TE Part #5749111-1

20 50SR CABLE PLUG ASSY



TE Part #1-215079-2

MICRO-MATCH FOB.12P



TE Part #5-146257-3

06 MODII HDR DRST B/A .100CL LF



TE Part #1-770873-0

03P MINI UMNL HDR ASSY SN



TE Part #CAT-D487-H342
[DEUTSCH DT Headers](#)

TE Part #1SNA103337R2100
[ENF12](#)

TE Part #1SNA103940R0200
[AF50 COLISE PAR 2000 PIECES](#)

TE Part #1SNA103943R2100
[FEF12-1 COLISE PAR 2000 PIECES](#)

TE Part #1SNA103949R0700
[ENF25 COLISE PAR 2000](#)

Documents

Product Drawings
12P MODU II SHRD HDR, RT ANG, TIN
English

CAD Files
3D PDF
3D
Customer View Model
[ENG_CVM_CVM_280523-1_S_c-280523-1-s.2d_dxf.zip](#)
English
Customer View Model
[ENG_CVM_CVM_280523-1_S_c-280523-1-s.3d_igs.zip](#)
English
Customer View Model
[ENG_CVM_CVM_280523-1_S_c-280523-1-s.3d_stp.zip](#)
English

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Agency Approvals
UL
English