280523-1 ✔ ACTIVE

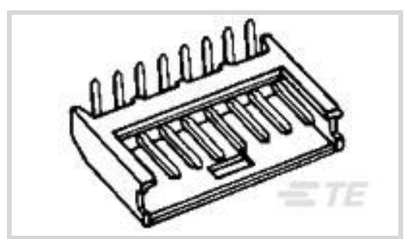
AMPMODU | AMPMODU Headers

TE Internal #: 280523-1

PCB Mount Header, Right Angle, Board-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin, AMPMODU Headers

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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

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

Configuration Features

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

Electrical Characteristics

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

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	500
Packaging Method	Box, Carton

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.

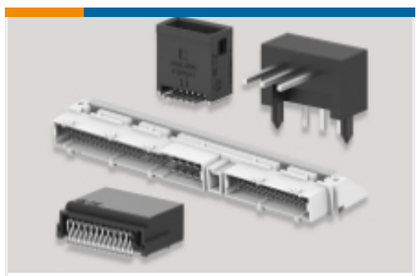
Also in the Series | AMPMODU Headers



Connector Contacts(60)



Connector Hardware(1)



PCB Headers & Receptacles(1624)



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

Customers Also Bought



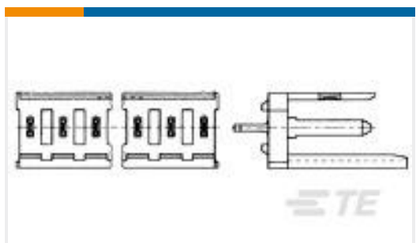
TE Part #5749111-1
20 50SR CABLE PLUG ASSY



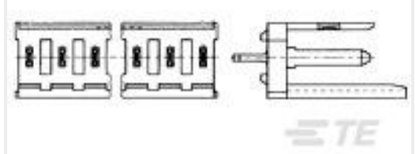
TE Part #280372-1
6P AMPMODU II SHRD HDR, ST, TIN



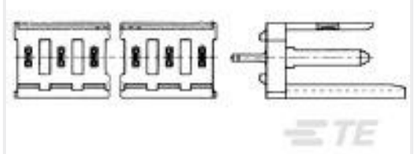
TE Part #5-1393243-6
RT424F24



TE Part #280609-1
2P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #280610-1
4P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #280611-1
6P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #1623274-1
CRG0805 1% 68R

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

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Agency Approvals

UL

English

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Global Electronic Components Distributor

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TE Connectivity:

141991-2 SMW73R0JT 2005330-1 2377783-2 TE50BR39J 2-292161-3 MPT100C18RF 1-962915-1 2310537-1 3430B2F51RTDF U5254-000005-030PA 1-794222-0 1903112-2 2380312-2 CRGCQ2010J3K3 1393431-1 175977-2 1969656-1 2834055-1 650075-000 917696-1 3-1393225-0 3631B101LL 936348-1 CPF0402B37K4E1 ROX05SJ18R SBCHE154R7K 1743455-2 RH73H2A40MKTN SBCHE64R7K