280390-2 ✔ ACTIVE

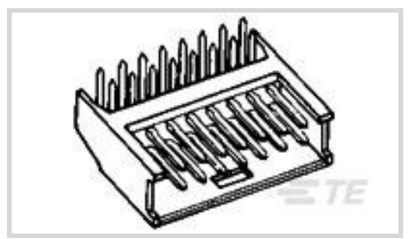
AMPMODU | AMPMODU Headers

TE Internal #: 280390-2

PCB Mount Header, Right Angle, Board-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Gold, 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: **16**

Number of Rows: **2**

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	16
Number of Rows	2

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	2.5 µm[98.42 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	Gold
Contact Mating Area Plating Material Thickness	.381 µm[15 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	22.9 mm[.901 in]
Connector Height	7 mm[.275 in]
Connector Width	17.4 mm[.685 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

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

Also in the Series | AMPMODU Headers



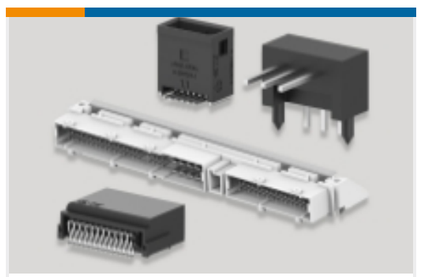
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)

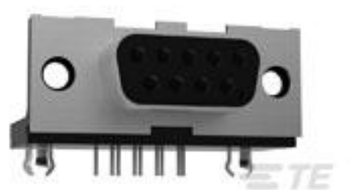


PCB Headers & Receptacles(3202)



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

Customers Also Bought



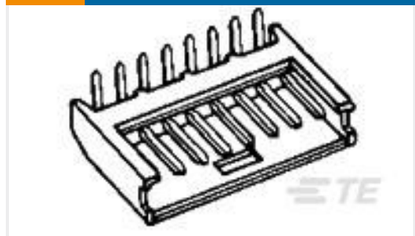
TE Part #1-106507-2
25P.HDP20 REC.ASSY.



TE Part #6-2176070-0
3521 3K0 1% 2W



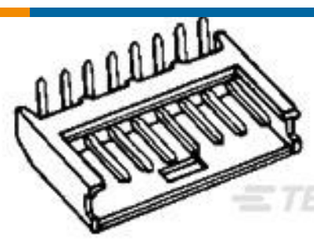
TE Part #8-1879021-3
SMW3 270R 5%



TE Part #280381-2
10P MODU II SHRD HDR,RT ANG, 0.38 AU



TE Part #3-1393779-2
V23101D 106A201



TE Part #280380-2
8P MODU II SHRD HDR,RT ANG, 0.38 AU



TE Part #280378-2
4P MODU II SHRD HDR, RT ANG, 0.38 AU



TE Part #1879217-7
CPF 0603 240K 0.1% 25PPM 1K RL



TE Part #1-1879417-6
CPF 0603 750K 0.1% 25PPM 1K RL



TE Part #6609070-1
6FCD10 J0=F7737

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

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TE Connectivity:

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