5-102589-8 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 5-102589-8

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

View on TE.com >

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: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Partially Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	12
Number of Rows	2
Board-to-Board Configuration	Co-Planar

Electrical Characteristics

Termination Resistance	12 mΩ
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Layout	Inline
Contact Shape & Form	Square

PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
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

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention	Without
Mating Alignment	With
Mating Alignment Type	Guide Pins
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]

Usage Conditions

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

Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

Industry Standards

Compatible With Approved Standards Products	CSA LE7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°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 # 5-534975-5
12 MODII 2PC DR CE RECPT ASSY, RoHS



TE Part # 5-532955-1
12 MODII 2PC CE RCPT ASSY, RoHS

Also in the Series | AMPMODU Headers



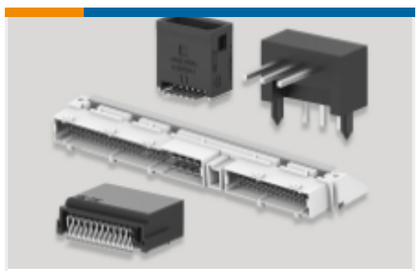
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(3204)



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

Customers Also Bought



TE Part #2199230-3

M.2 0.5PITCH 4.2H KEY B 15U'' AU



TE Part #3-641126-6

PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



TE Part #1367073-2

20 POS SMT CONN, SFP, 30AU



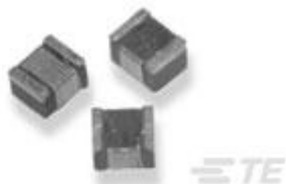
TE Part #2-1879378-3

TLR 2512 3.0W R0015 1% 50PPM 2K RL



TE Part #5535043-4

ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #5-1624112-8

3650 0402 68nH 5% 2K RL



TE Part #5-146130-1

04 MODII HDR DRST SFMNT B/A LF



TE Part #5352069-1

Z-PACK/B25 RAF 125P



TE Part #927366-1

8P MIN D-FLACHF GEH

Documents

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5-102589-8_P1.2d_dxf.zip

English

Customer View Model

ENG_CVM_5-102589-8_P1.3d_igs.zip

English

Customer View Model

ENG_CVM_5-102589-8_P1.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

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