9-103323-0 ✔ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 9-103323-0

PCB Mount Header, Right Angle, Board-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, 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: **40**

Number of Rows: **1**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
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	40
Number of Rows	1

Body Features

Primary Product Color	Black

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]

	100 – 200 µin
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 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	2.79 mm[.11 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment	Without
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

PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	25
Packaging Method	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 # 2-87175-2
10 LOCKING CLIP HSG SR .100CL



TE Part # 87175-3
15 LOCKING CLIP HSG SR MRKD

Also in the Series | AMPMODU Headers



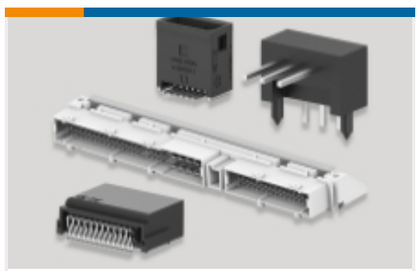
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)

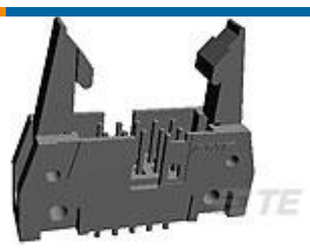


PCB Headers & Receptacles(3202)



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

Customers Also Bought



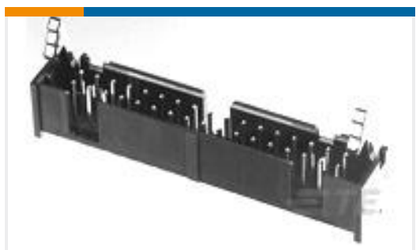
TE Part #1-5499922-0
A/L UNIV HDR 50P VERT LG LAT



TE Part #5788792-1
09 HTMSFL PLUG RA 318 (IN,BL)



TE Part #7-2176459-3
SMW 7W 100R 5% Taped



TE Part #1761606-7
IDC LOW PRO HDR 20P VERT LG LAT BLK

TE Part #5520250-3
MJ,R/A,6P/6C,PNL STOPS,TRAY

TE Part #104130-4
020 LOPRO HDR RA 30DP LATCH

TE Part #1546217-2
TERMI-BLOK PCB MOUNT 90 2P.

TE Part #3-2172091-2
M8.FMLE.PNLREAR.4POS.PCBSTAND.RA.SHLD



TE Part #1623285-1
CRG0805 1% 7K5



TE Part #2-326819-1
PG R 22-16 COMM 22-18 MIL 6

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-103323-0_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-103323-0_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-103323-0_L.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:

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