AMPMODU | AMPMODU Headers

TE Internal #: 9-146282-0

PCB Mount Header, Vertical, 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: Vertical
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	Vertical
Number of Positions	40
Number of Rows	1
Board-to-Board Configuration	Parallel

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	2.29 mm[.09 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
PCB Mount Retention Type	Solder Tail
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	LCP (Liquid Crystal Polymer), LCP-GF (Liquid Crystal Polymer)
Dimensions	
PCB Thickness (Recommended)	1.6 mm[.063 in]
Usage Conditions	
Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
Compatible With Approved Standards Products	CSA LR7189, UL E28476
Compatible With Approved Standards Moducts	
UL Flammability Rating	UL 94V-0
	UL 94V-0
UL Flammability Rating	UL 94V-0 100



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	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Pin-in-Paste capable to 260°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







Also in the Series | AMPMODU Headers









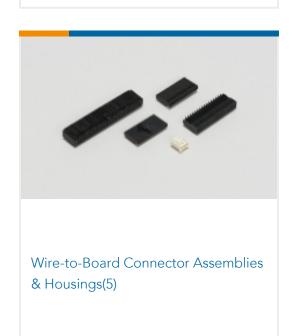


Connector Caps & Covers(1)

Connector Contacts(64)

Connector Hardware(2)

PCB Headers & Receptacles(3202)



Customers Also Bought



TE Part #5747842-2 25 MSFL PLUG RA 318 (FM,BL)



TE Part #9-103329-0 40 MODII HDR SRRA B/A .100 CL LF



TE Part #2-2106431-1 Connector, SMT-IDC PASS THRU, 1 POS, 22



TE Part #F94898-000 S200-2-00



TE Part #L9000101-01
Antenna 1/2 Wave Whip 2.4GHz 1.32
UFL







Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-146282-0_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-146282-0_F.3d_igs.zip

PCB Mount Header, Vertical, Board-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Breakaway, Tin, Through Hole - Solder, Signal, AMPMODU Headers



English

Customer View Model

ENG_CVM_CVM_9-146282-0_F.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

English