

9-146282-0 ✓ ACTIVE

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 (Sn), Through Hole - Solder,
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

Connector System: **Board-to-Board**

Number of Positions: **40**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	40
Number of Rows	1
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Body Features

Primary Product Color	Black
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Contact Features

Contact Thickness	100 – 200 μ m
Contact Underplating Material	Nickel
Mating Square Post Dimension	.64 mm[.025 in]



Contact Shape & Form	Square
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 5.08 μm [100 – 200 μin]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	2.29 mm[.09 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Solder Tail
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Liquid Crystal Polymer (LCP), Liquid Crystal Polymer (LCP) GF

Dimensions

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

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$]

Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features



Packaging Quantity	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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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](#)



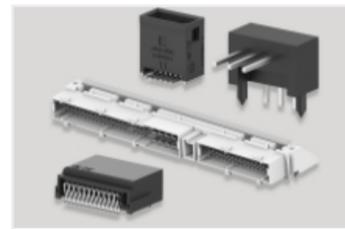
Automotive Headers(3)



Automotive Signal & Power Headers(3)



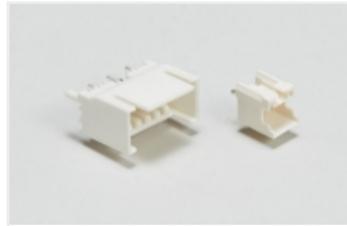
Connector Contacts(15)



PCB Headers & Receptacles(1173)



Rectangular Power Connectors(25)



Wire-to-Board Headers & Receptacles (78)

Customers Also Bought



TE Part #5-146131-9
20 MODII HDR DRST SFMNT B/A LF



TE Part #5-146285-3
03 MODII HDR SRST B/A .100CL



TE Part #1622209-1
LR0204 1% 2K2



TE Part #3-1879353-8
RR02 5% 150K AMMO



TE Part #1-2834011-2
2POS 3.5MM TOP ENTRY SCREWLESS CONN.



TE Part #1-2834011-3
3POS 3.5MM TOP ENTRY SCREWLESS CONN.



TE Part #5747236-4
15 MSFL PLUG RA 318 (IN,FM)



TE Part #1-5747301-6
37 RCPT SP/FMS SCRLK



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



TE Part #L9000221-01
Antenna WiFi/6E FPC SH 12x12 50 UFL

Documents



Product Drawings

[40 MODII HDR SRST B/A .100CL](#)

English

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](#)

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