

AMPMODU | AMPMODU Headers

TE Internal #: 825440-3

PCB Mount Header, Vertical, Board-to-Board, 6 Position, 2.54 mm [.

1 in] Centerline, Breakaway, 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: 6
Number of Rows: 2

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	6
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 ΜΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Contact Features

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



DCD Contact Torreination Area Plating Material Thickness	2.5.4.00
PCB Contact Termination Area Plating Material Thickness	2.5 µm
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.8 μm[31.5 μin]
Contact Type	Pin
Contact Current Rating (Max)	5 A
Termination Features	
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to Printed Circuit Board	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	PBT
Dimensions	
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 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 Quantity	800
Packaging Type	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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



Also in the Series | AMPMODU Headers





Connector Caps & Covers(1)



PCB Connector Mounting(1)



PCB Headers & Receptacles(4871)



PCB Latches, Locks & Retainers(1)

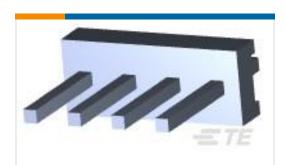


Wire-to-Board Connector Assemblies & Housings(5)



Wire-to-Board Connector Contacts(65)

Customers Also Bought



TE Part #640383-4 04P MTA156 HDR ASSY STR SQ SN



TE Part #1-2176092-6 RP 2A 0.25W 953R 0.1% 25PPM 1K RL



TE Part #2154829-3 High Power Inverted Thru Board Con 4 Pos



TE Part #1-2176315-2
MELF SMA_A 820R 0.1% 15PPM 0204
0.4W



TE Part #2345986-1 USB TYPE C 3.1 TOP MOUNT DUAL SMT 1.63CH



TE Part #5-966443-4 4 POS. MOD II PIN HDR, SGL ROW



TE Part #5-966444-6 6P HV100 REC CON, SGL ROW, NON MAGNETIC

TE Part #20003823-00 86BSD150PG-3AJCT

Documents

CAD Files

3D PDF

English

Customer View Model ENG_CVM_825440-3_F.2d_dxf.zip

English

Customer View Model ENG_CVM_825440-3_F.3d_igs.zip



English

Customer View Model

ENG_CVM_825440-3_F.3d_stp.zip

English

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

Product Environmental Compliance

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English

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English

MATERIAL DECLARATION 825440-3

English

Agency Approvals

UL Report

English