

AMPMODU | AMPMODU System 50

TE Internal #: 104666-6

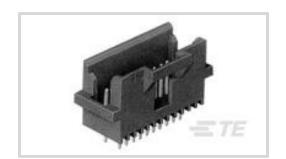
PCB Mount Header, Vertical, Board-to-Board, 100 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold (Au), AMPMODU

System 50

View on TE.com >



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical
Connector System: Board-to-Board

Number of Positions: 100

Number of Rows: 2

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	100
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 ΜΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Body Features

Connector Profile	Standard	



Primary Product Color	Black
Contact Features	
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Mating Square Post Dimension	.38 mm[.015 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.35 μm[150 – 250 μin]
Contact Shape & Form	Rectangular
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3.6 A
Termination Features	
Termination Post & Tail Diameter	.38 mm[.015 in]
Termination Post & Tail Length	3.68 mm[.145 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Retention Type	Latching
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	LCP
Centerline (Pitch)	1.27 mm[.05 in]
Dimensions	
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 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 Agency/Standards Products	CSA, UL		
UL Rating	Recognized		
Compatible With Approved Standards Products	CSA LR7189, UL E28476		
UL Flammability Rating	UL 94V-0		
Packaging Features			
Packaging Quantity	7		
Packaging Method	Box, Tube		
Other			
Position Locations Omitted	0		

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690971273) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder 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 System 50



Board-to-Board Headers & Receptacles(685)



PCB Headers & Receptacles(685)



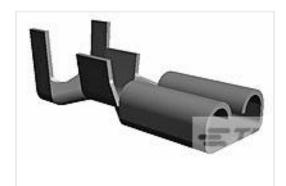
Rectangular Power Connectors(47)



Wire-to-Board Headers & Receptacles (47)

Customers Also Bought





TE Part #60621-1 187 FASTON REC 20-16 aWG NPST



TE Part #5747842-6 25 MSFL PLUG RA 318 (SL,FM,BL)



TE Part #521367-2 ULTRA-POD 250 ASSY REC 18-14 AWG TPBR

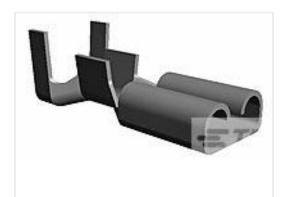


TE Part #42400-1 250 FASTON REC 18-14 AWG BR





TE Part #2311774-1 AMPL PLUG, HD22, R/A, 15P, THREADED



TE Part #60573-1 187 FASTON REC 24-20 TPBR



TE Part #5100161-1 Z-PACK/C RAF 55P





Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_104666-6_AD.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_104666-6_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_104666-6_AD.3d_stp.zip

English

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Product Specifications

Application Specification

English