

1977276-2 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

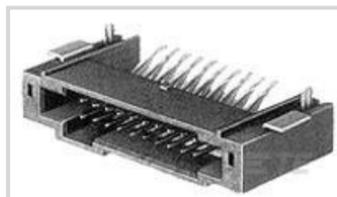
TE Internal #: 1977276-2

PCB Mount Header, Right Angle, Board-to-Board, 30 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold, Surface Mount, AMPMODU 50/50 Grid

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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: **30**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
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	30
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Body Features

PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Tin over Nickel
Connector Profile	Standard
Primary Product Color	Black

Contact Features



Contact Layout	Staggered
PCB Contact Termination Area Plating Material Thickness	3.81 μm [150 μin]
Mating Pin Diameter	.46 mm[.018 in]
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Type	Pin

Termination Features

Round Termination Post & Tail Diameter	.46 mm[.018 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Retention Type	Hold-Down Post
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
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Usage Conditions

Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$
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Operation/Application

Solder Process Feature	Board Standoff
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Industry Standards

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

Packaging Features

Packaging Quantity	400
Packaging Type	Reel



Other

Position Locations Omitted	0
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Product Compliance

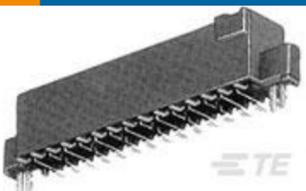
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (40% in COMPONENT PART) 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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow 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



TE Part # 104652-3
30 50/50 GRID DRST SFMNT RCPT



TE Part # 147384-3
30 50/50 GRID DR SMT RCPT VC

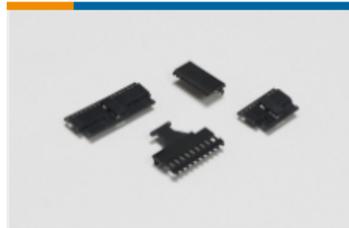


TE Part # 1977276-1
10 50/50 GRID RA HDR T & R

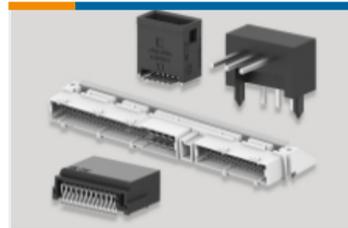
Also in the Series | AMPMODU 50/50 Grid



Insertion & Extraction Tools(1)



PCB Connector Covers(9)



PCB Headers & Receptacles(302)



Ribbon Cable Connectors(34)

Documents

Product Drawings

[30 50/50 GRID RA HDR](#)

English

Datasheets & Catalog Pages

[AMPMODU Interconnection System](#)

[AMPMODU Interconnection System](#)

English

Product Specifications

[Application Specification](#)

English