5-147383-3 ✓ ACTIVE

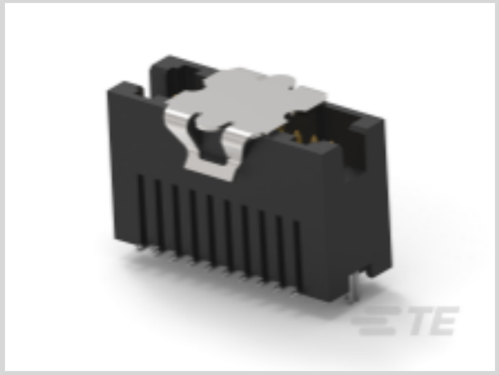
AMPMODU | AMPMODU 50/50 Grid

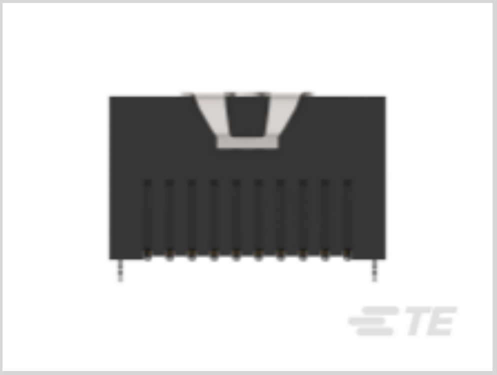
TE Internal #: 5-147383-3

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles




EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Features

Termination Features

	.03 in
Termination Post & Tail Diameter	.46 mm[.018 in]
Termination Method to PCB	Surface Mount

Contact Features

	150 µin
Contact Underplating Material	Nickel
Mating Pin Diameter	.46 mm[.018 in]
Contact Shape & Form	Round
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	.5 A

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	Selectively Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	30
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC

Body Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
Stack Height	9.91 mm[.39 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Assembly Process Feature	Vacuum Cover

Industry Standards

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

Packaging Features

Packaging Quantity	400
Packaging Method	Tape & Reel

Product Compliance

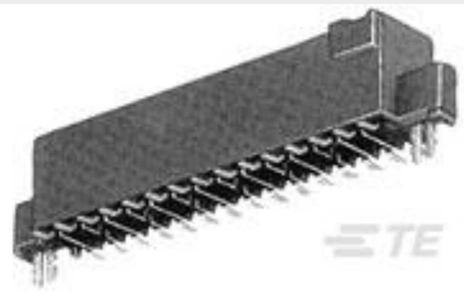
For compliance documentation, visit the product page on TE.com>

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 Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



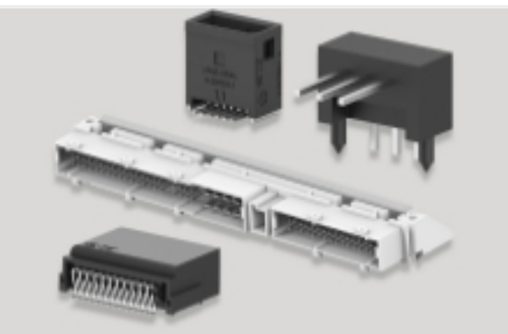
TE Part # 5-104652-3
30 50/50 GRID DRST SFMNT RCPT

TE Part # 5-147384-3
30 50/50 GRID SMT RCPT VC LF

Also in the Series | AMPMODU 50/50 Grid

Connector Caps & Covers(7)

Insertion & Extraction Tools(1)



PCB Headers & Receptacles(193)

Ribbon Cable Connectors(21)

Customers Also Bought

Documents

Product Drawings

30 50/50 HDR SMT.390 W/HD VC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-147383-3_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-147383-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-147383-3_D.3d_stp.zip

English

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2

English

Ribbon Cable Interconnect Solutions

English

Fine Pitch Stacking Connectors - 1.27mm AMPMODU 50/50 Grid Connectors

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English