104746-2 DO NOT USE FOR NEW DESIGN

AMPMODU | AMPMODU System 50

TE Internal #: 104746-2

PCB Mount Header, Right Angle, Board-to-Board, 22 Position, 1.27 mm [.05 in] Centerline, Unshrouded, Tin-Lead, AMPMODU System 50

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **22**

Number of Rows: **2**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Unshrouded
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	22
Number of Rows	2
PCB Mount Orientation	Right Angle
Board-to-Board Configuration	Perpendicular

Electrical Characteristics

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

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
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 Thickness	3.81 µm[150 µin]
Contact Mating Area Plating Material	Tin-Lead
Contact Type	Pin
Contact Current Rating (Max)	3.6 A

Termination Features

Rectangular Termination Post & Tail Thickness	3.6 mm
Termination Post & Tail Length	3.45 mm[.136 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

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

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 Reel Diameter	90 mm
Packaging Quantity	90
Packaging Method	Box, Tray

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 < 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



TE Part # 5-104746-1
100 SYS 50 HDR DRRA UNSHRD SN

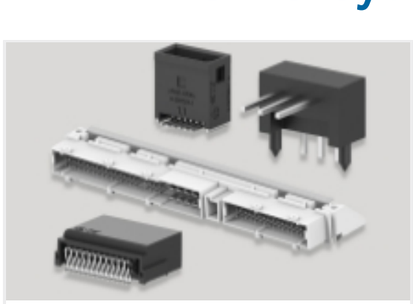


TE Part # 7-104746-2
22 SYS50 HDR DRRA UNSHRD, ROHS, AUFL

Also in the Series | AMPMODU System 50



Board-to-Board Headers & Receptacles(218)



PCB Headers & Receptacles(218)



Rectangular Power Connectors(31)

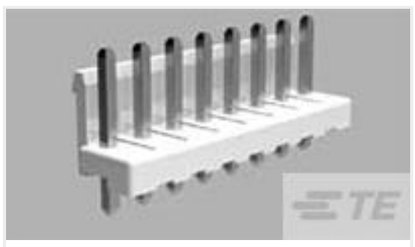


Wire-to-Board Headers & Receptacles (31)

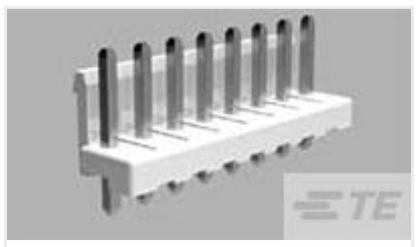
Customers Also Bought



TE Part #413476-2
JACK,DECOUPLER,PCB,VERT,BNC



TE Part #3-1123723-5
3.96 EP HDR ASSY 5P(BLUE)



TE Part #4-1123723-4
3.96 EP HDR ASSY 4P(RED)



TE Part #1-1462042-0
IMC02CGR=IM RELAY 140mW 4.5V 1CO HDV



TE Part #1623748-1
ER16 10R 5% LOOSE



TE Part #1-1717011-4
EP CONN.HDR ASSY 4/5POS SPECIA



TE Part #1-1879212-8
CPF 0402 31K6 0.1% 25PPM 5K RL



TE Part #4-1879212-6
CPF 0402 61K9 0.1% 25PPM 5K RL



TE Part #8-1879524-0
CRGH2512 1% 715R 2W



TE Part #6367198-1
Z-DOK PLUG ASSY 40 DIFF PAIR L

Documents

Product Drawings

22 SYS 50 HDR DRRA UNSHRD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_104746-2_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_104746-2_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_104746-2_M.3d_stp.zip

English

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

Product Specifications

Application Specification

English