



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: **1**

Features

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Electrical Characteristics

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

Packaging Features

Packaging Quantity	11
Packaging Method	Tube, Box

Industry Standards

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



Usage Conditions

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

Body Features

Connector Profile	Standard
Primary Product Color	Black

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Mechanical Attachment

Mating Retention Type	Latching
Mating Retention	With
Mating Alignment Type	Latch
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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
Contact Type	Pin
Contact Current Rating (Max)	3.6 A

Housing Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Perpendicular
PCB Mount Orientation	Right Angle
Number of Positions	30
Number of Rows	1

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

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% 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	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



TE Part # 146880-1
25 SYSTEM 50 HDR SRRA SHRD

Also in the Series | AMPMODU System 50



Board-to-Board Headers & Receptacles(685)



PCB Headers & Receptacles(685)



Wire-to-Board Headers & Receptacles (47)

Customers Also Bought



TE Part #3-2319848-1
END STACK DIP 10P G RECESS SEAL TUBE



TE Part #2176314-4
MELF SMA_A 180R 0.1% 15PPM 0102 0.3W



TE Part #5146893-2
1FHR,84,30A/S,S,C,S08,09,10



TE Part #5-103911-3
60 SYSTEM 50 RCPT ASSY DRRA



TE Part #5-104076-2
60 SYS50 HDR DRST SHRD W/SL SN

TE Part #1-928836-2
MOD2 PIN WITH A-PIN L/P

TE Part #3-1415020-1
PT570N20

TE Part #1-1437581-1
ASE22RL=AUTOSLIDE DP

TE Part #7-2176246-6
CRGS2512 5% 1M8

TE Part #4-2176391-7
RQ 1206 37K4 0.1% 10PPM 5K RL

Documents

Product Drawings

30 SYSTEM 50 HDR SRRA SHRD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_146880-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_146880-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_146880-2_B.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