



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board, Wire-to-Board**

Number of Positions: **20**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board, Wire-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	Vertical
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 V
Operating Voltage	30 VAC

Body Features



Primary Product Color	Black
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Contact Features

	150 µin
Contact Shape & Form	Round
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

	.031 in
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	With
Panel Mount Feature	With
Mating Alignment	With
Mating Alignment Type	Latched
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

	.1 in
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Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power & Signal



Industry Standards

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

Packaging Features

Packaging Quantity	250
Packaging Method	Box, 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 # 2-487937-0
020 HOUSING FFC 50CL DR LATCH

TE Part # 5-104549-2
20 SYS50 S/M HDR DRST SHRDSN

TE Part # 1-111196-8
20 RCPT SYSTEM 50, LEAD FREE

TE Part # 5-104550-2
20 SYS50 SURFMNT DRST RCPT SN

TE Part # 5-104078-1
20 SYSTEM 50 RCPT ASSY DRST SN

TE Part # 5-147378-2
20 SYS50 SMT RCP DR SHD SN

Also in the Series | AMPMODU System 50

PCB Headers & Receptacles(989)

Customers Also Bought

TE Part #5749069-2
26 50SR VERT RCPT ASSY

TE Part #6-1622824-6
RL73N 1J R27 5% 5K RL

TE Part #6-1437719-6
T01-0570-S03-FEMALE REC PANEL-PCB STRT

TE Part #173926-1
4 P ACTION PIN UMNL

TE Part #3-1393243-3
RTE44024

TE Part #1934225-1
Tin Man Recept Assy 4 Pair 16 Column

TE Part #1623804-8
SQZ10 3R3 5% WIRE



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-147377-2_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-147377-2_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-147377-2_J.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English

Fine Pitch Stacking Connectors - 1.27mm AMPMODU System 50 Connectors

English

Product Specifications

Application Specification

English