



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **60**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Board-to-Board Configuration	Orthogonal
PCB Mount Orientation	Right Angle
Number of Positions	60
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 MΩ

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Mating Square Post Dimension	.38 mm[.015 in]



PCB Contact Termination Area Plating Material Thickness	3.81 μm[150 μin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	3.6 A

Termination Features

Rectangular Termination Post & Tail Width	.2 mm[.008 in]
Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	11.1 mm[.437 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	5.51 mm[.217 in]
Connector Length	39.22 mm[1.544 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
------------------------	----------------



Circuit Application

Signal

Industry Standards

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

Packaging Features

Packaging Quantity	13
Packaging Method	Tube

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	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 # 6-103916-4
60 sys 50 hdr drst unshrd sn

TE Part # 6-104118-4
60 SYS 50 HDR DRRA UNSHRD SN

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

Also in the Series | AMPMODU System 50

Board-to-Board Headers & Receptacles(685)

PCB Headers & Receptacles(685)

Rectangular Power Connectors(47)

Wire-to-Board Headers & Receptacles (47)

Customers Also Bought

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

TE Part #3-1415020-1
PT570N20

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

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

TE Part #969973-9
2x9P HV100 REC. CON, SMD, GOLD, BLISTER

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

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

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

60 SYSTEM 50 RCPT ASSY DRRA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-103911-3_V.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-103911-3_V.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-103911-3_V.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

Product Specifications

Application Specification

English