



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **50**

Number of Rows: **2**

Features

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 MΩ

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	13.08 mm[.514 in]
Connector Width	5.03 mm[.198 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	9.4 mm[.37 in]
Connector Length	32.87 mm[1.3 in]

Packaging Features

Packaging Quantity	13
Packaging Method	Tube

Industry Standards

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

Body Features

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

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Mechanical Attachment

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

Termination Features

Rectangular Termination Post & Tail Width	.2 mm[.008 in]
Rectangular Termination Post & Tail Thickness	.38 mm[.015 in]
Termination Method to PCB	Surface Mount

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	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Receptacle
Contact Current Rating (Max)	3.6 A

Housing Features

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

Configuration Features

Board-to-Board Configuration	Orthogonal, Parallel
Stackable	Yes
PCB Mount Orientation	Vertical



Number of Positions	50
Number of Rows	2

Product Type Features

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

Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

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

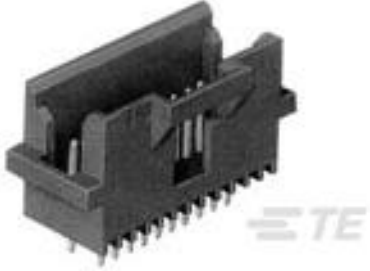
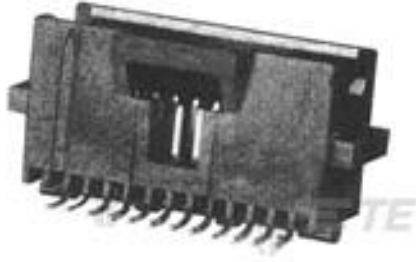
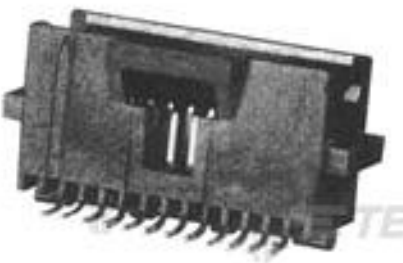
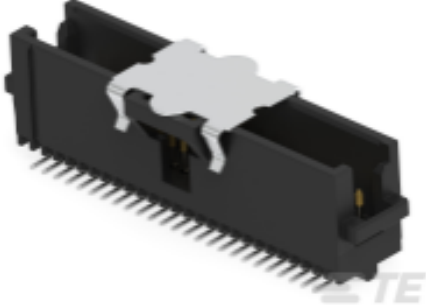
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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

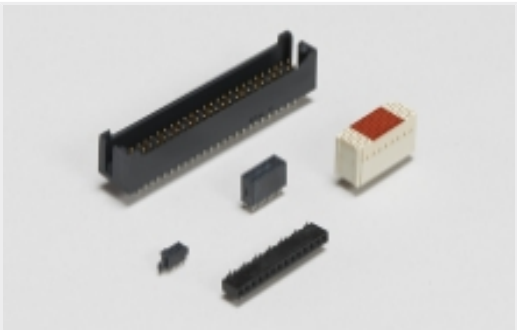
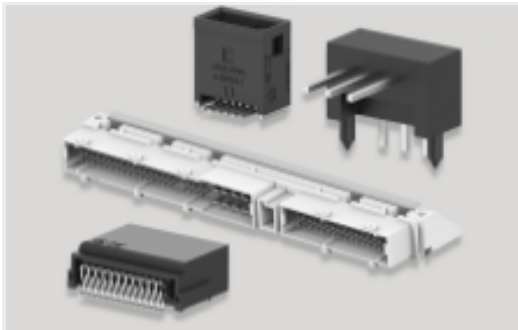
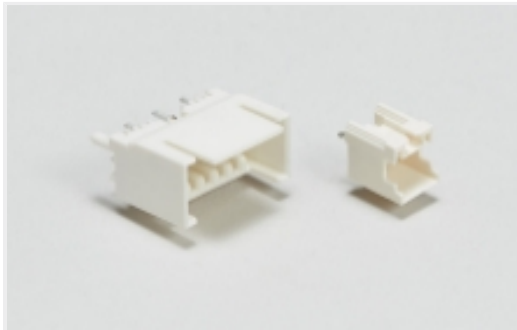
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 5-104666-4 50 SYSTEM 50 HDR DRST SHRD SN	 TE Part # 5-104068-5 50 SYSTEM 50 HDR DRST SHRD	 TE Part # 5-104549-7 50 SYS50 S/M HDR DRST SHRDSN	 TE Part # 6-103916-3 50 sys 50 hdr drst unshrd sn
 TE Part # 5-147380-1 50SYS 50 HDR DRST SHRD SN	 TE Part # 1825601-1 50 SYS50 SMT HDR DR SHD SN W/O	 TE Part # 5-104477-5 50 SYSTEM 50 HDR DRRA SHRD SN	 TE Part # 5-104118-1 50 SYS 50 HDR DRRA UNSHRD SN
 TE Part # 5-147377-5 50 SYS50 SMT HDR DR SHD SN	 TE Part # 5-104069-2 50 sys 50 hdr drra shrd sn	 TE Part # 5-104068-4 40 SYSTEM 50 HDR DRST SHRD	

Also in the Series | AMPMODU System 50

 Board-to-Board Headers & Receptacles(685)	 PCB Headers & Receptacles(685)	 Wire-to-Board Headers & Receptacles (47)
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Customers Also Bought



TE Part #1060984-1
5862 5002 09, OSX PCB JACK

TE Part #5796055-1
68 CHAMP R/A ASSY, LC

TE Part #6469183-1
HMZD 3PR RA HDR 60P ASSY LF

TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY

TE Part #794956-3
VAL-U-LOK SKT PHBZ SN 22-18AWG

TE Part #ADP-SMAF-SMAF-B-G
SMA Jack to SMA Jack Bulkhead

TE Part #ADP-SMAF-SMBM-G
SMA Jack to SMB Plug

TE Part #ADP-SMAM-SMAM-G
SMA Plug to SMA Plug

TE Part #CONBNC004
BNC Jack 50 Ohm Panel Mount

TE Part #L9000279-01
SMA Jack 50 Ohm .062 PCB Edge Mount

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-104550-6_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-104550-6_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-104550-6_S.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