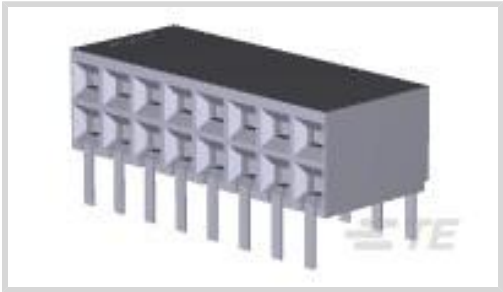




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Horizontal, Right Angle**
Connector System: **Board-to-Board**
Number of Positions: **16**
Number of Rows: **2**

Features

Product Type Features

Applied Pressure	High, Standard
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

Stackable	Yes
PCB Mount Orientation	Horizontal, Right Angle
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	333 VAC
Insulation Resistance	5000 MΩ

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features



Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 7.62 μm
Contact Shape & Form	Short Point
Contact Protection Type	Closed Entry Housing
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	2.92 mm[.115 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Mating Entry Location	Side
Housing Material	Polyester GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing	2.54 mm, 7.87 mm[.31 in]
Stack Height	8.13 mm[.32 in]
PCB Thickness (Recommended)	1.4 – 2.4 mm[.055 – .094 in]
Connector Height	6.05 mm[.238 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]



Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	28
Packaging Method	Box, 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	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 87215-5
16 MODII HDR DRST UNSHRD .100

TE Part # 86479-2
16 MODII HDR DRRA UNSHRD .100

TE Part # 3-86479-4
60 MODII HDR DRRA UNSHRD .100

TE Part # 5-146308-8
16 MODII HDR DRRA B/A .100

TE Part # 5-146261-8
16 MODII HDR DRST B/A .100CL LF

TE Part # 87227-8
16 MODII HDR DRST UNSHRD .100

TE Part # 5-146130-7
16 MODII HDR DRST SFMNT B/A LF

TE Part # 5-146257-8
16 MODII HDR DRST B/A .100CL L

TE Part # 87230-8
16 MODII HDR DRRA UNSHRD .100

TE Part # 5-146269-8
16 MODII HDR DRST B/A 100 W/HD

Also in the Series | **Modu Connector System**

Board-to-Board Headers & Receptacles(814)

Board-to-Board Jumpers & Shunts(5)

Connector Hardware(4)

PCB Headers & Receptacles(814)

Customers Also Bought

TE Part #1-2176337-3
CRGCO 0402 100R 1%

TE Part #2309409-2
DDR4 SODIMM 260P 5.2H STD

TE Part #1415898
RTS3T012

TE Part #2-1437565-7
FSM2JSMA=SMT,TACTILE,PB SWITCH



TE Part #1-1462037-4
IM03GR=IM RELAY 140mW 5V

TE Part #1776113-3
3P,3.81MM,SIDE ENTRY,HIGH TMP

TE Part #2176057-8
RLP73V 3A R020 1% 1K RL

TE Part #3-2176337-3
CRGCQ 0402 4K7 1%

TE Part #2057427-3
IMP100S,H,V2P10C,UG,LEW46,5.5

TE Part #1622826-4
CRG0402 5% 10K

Documents

Product Drawings
16 MODII HORZ DR CE EESS .100
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-5535512-8_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-5535512-8_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-5535512-8_A.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_SECTION5
English

Product Specifications
Application Specification
English