

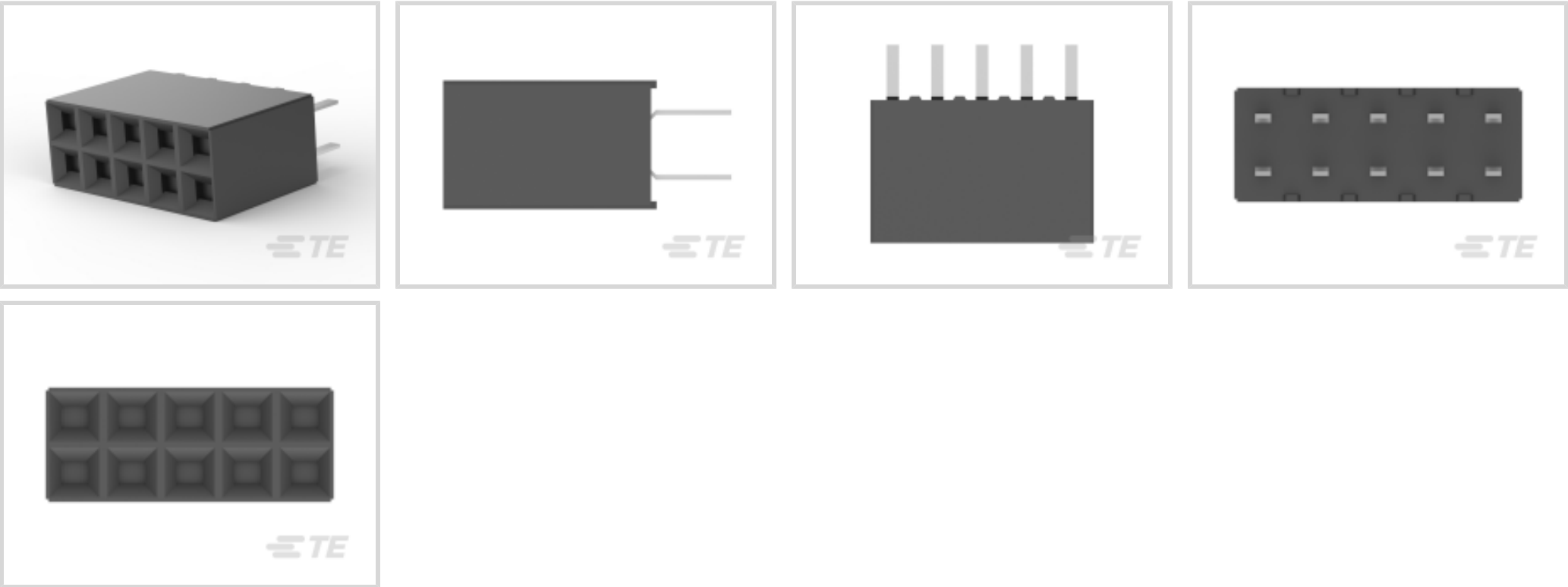


AMPMODU

TE Internal #: 5-147424-5
PCB Mount Receptacle, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Gold (Au), Through Hole - Solder, Signal, Black, Box / Tube

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **10**
Number of Rows: **2**

Features

Product Type Features

Applied Pressure	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

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	333 VAC
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Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Mating Area Plating Material Thickness	.25 μm[10 μin]
Mating Square Post Dimension	.64 mm[.025 in]
	150 – 300 μin
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	Top
Housing Material	Polyester - GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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PCB Thickness (Recommended)	1.6 mm[.062 in]
Connector Height	8.64 mm[.34 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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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	45
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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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 # 5-146256-5
10 MODII HDR DRST B/A .100CL L

Customers Also Bought

TE Part #1-350777-9
02P UMNL V0 PLUG HSG BLACK

TE Part #1623104-1
CRG0805 1% 11K

TE Part #1622396-2
LR1 1% 249R

TE Part #2267077-2
TMD1T4B5M2RE

TE Part #1676339-2
RN 0805 42K2 0.1% 10PPM 1KRL

TE Part #5-146254-5
10 MODII HDR DRST B/A .100CL

TE Part #1622795-5
YR1 0.1% 4K02

TE Part #1-5406299-1
MJ ASSY,S/P,8POS,SH,RVPGT,CAT5

TE Part #1-796634-2
12 POS 5.08MM R/A PLUG,TRM BLK

TE Part #5227222-1
VERT JK W/MTG PINS, BNC PCB

Documents

Product Drawings
10 MODII VRT DR CE .100 X .100
English



CAD Files

Customer View Model

ENG_CVM_CVM_5-147424-5_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-147424-5_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-147424-5_F.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