



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	250 VAC
Termination Resistance	12 mΩ
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 VAC

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]
	150 – 300 μin
Contact Shape & Form	Single Tine
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 Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	10.62 mm[.418 in]
PCB Thickness (Recommended)	1.4 – 2.4 mm[.055 – .094 in]
Connector Height	6.73 mm[.265 in]

Usage Conditions

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Housing Temperature Rating	High
Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Solder Process Feature	Board Standoff
Assembly Process Feature	Vacuum Cover
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	750
Packaging Method	Box

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>



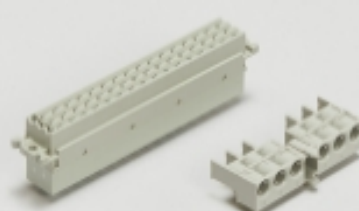
Compatible Parts



TE Part # 86286-1

KEYING PLUG

Also in the Series | AMPMODU IV/V



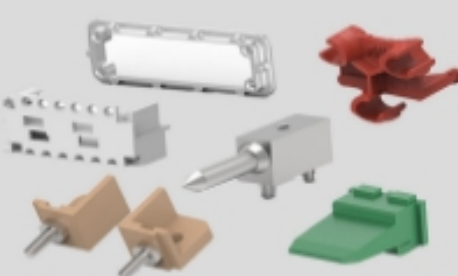
Backplane Connector Housings(1)



Connector Caps & Covers(11)



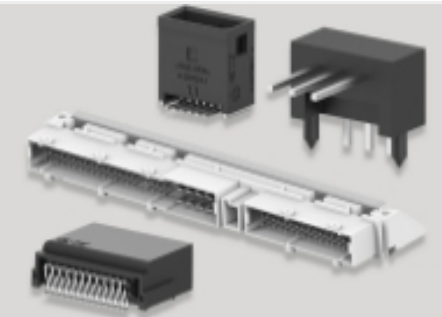
Connector Contacts(270)



Connector Hardware(10)



Insertion & Extraction Tools(4)

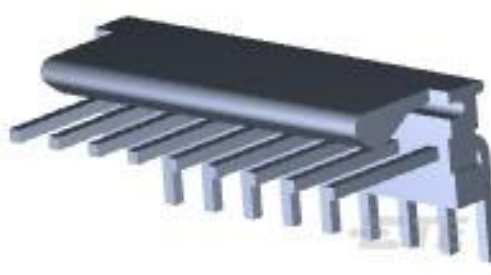


PCB Headers & Receptacles(517)



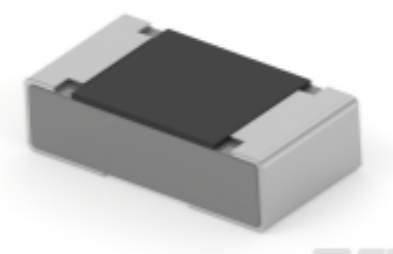
Power Contacts(206)

Customers Also Bought



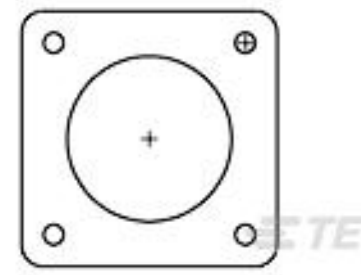
TE Part #3-641216-9

09P MTA100 HDR ASSY FL/RA LF



TE Part #9-2176480-0

RA73F 1J 4K64 0.1% 5K RL



TE Part #81665-2

FLANGE GASKET CPC

TE Part #3-2394033-2

HD-20 PLUG 15P SMT UNC 4-40 THD, W/O STUD





TE Part #1418850-1
MCON 1.2 CB REC SWS SN



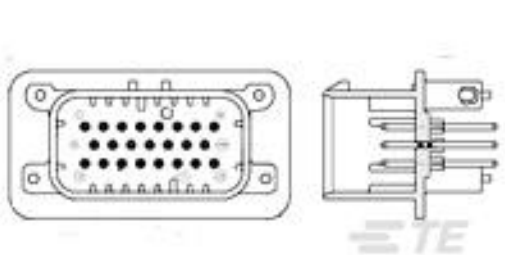
TE Part #5520259-4
MJ,TE,8P,TRAYS



TE Part #DRC20-50P01
HDR, 50P, BLK, ST, AU/NI/CU, 01



TE Part #1-2203769-1
2POS, MCON 1.2 CB REC 1p TL SEALED



TE Part #1-776228-1
23POS,PIN DIA 1.3,HDR ASSY,
180DEG,COD 1



TE Part #3-1761603-2
IDC LOW PRO HDR 36P VERT BLUE

Documents

Product Drawings

10 MODIV VRT DR SFMNT 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-147105-5_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-147105-5_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-147105-5_K.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_CONT

English

Product Specifications

Application Specification

English