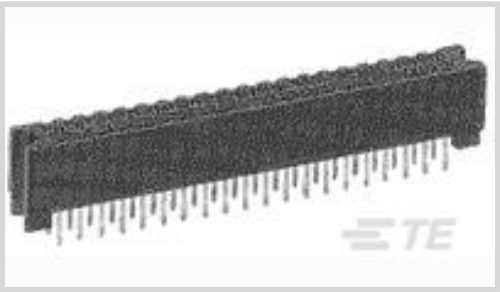




Connectors > PCB Connectors > PCB Headers & Receptacles



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

Product Type Features

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

Configuration Features

Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	50
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

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

Body Features

Primary Product Color	Black
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Contact Features



Mating Square Post Dimension	.64 mm[.025 in]
	50 µin
Contact Layout	Inline
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

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

Mechanical Attachment

Mating Retention	Without
Mating Alignment	With
Mating Alignment Type	Guide Pin Slots
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

	.238 in
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	11.43 mm[.45 in]
PCB Thickness (Recommended)	1.4 mm[.055 in]

Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range

-65 - 105 °C[-85 - 221 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

Compatible With Approved Standards Products	CSA LE7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube
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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 2024 (240) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste 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 # 5-534978-8
50 MODII 2PC HDR DR W/HLDWN, ROHS



TE Part # 5-102692-4
50 MODII 2PC HDR DR SHRD, ROHS

Also in the Series | Modu Connector System



Automotive Connector Caps & Covers (3)



Automotive Housings(1)



Board-to-Board Jumpers & Shunts(5)



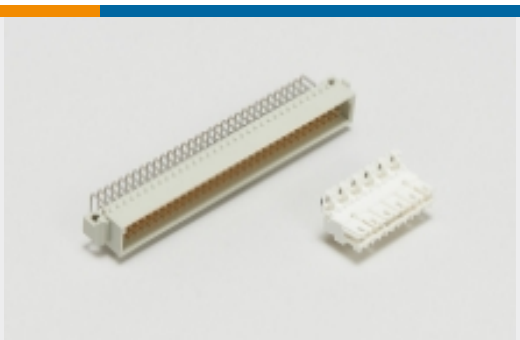
Connector Caps & Covers(1)



Connector Hardware(4)



PCB Headers & Receptacles(1244)

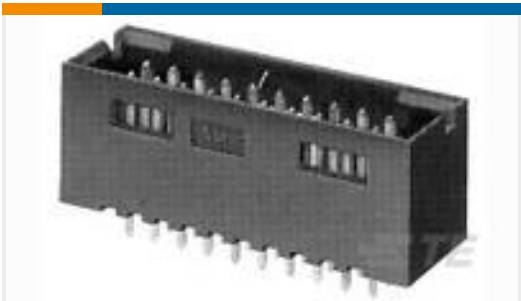


Standard Edge Connectors(1)

Customers Also Bought



TE Part # 1761607-5
IDC LOW PRO HDR 14P RA LG LAT BLK



TE Part # 5-102619-1
06 MODII HDR DRST SHRD .100CL



TE Part # 215309-2
2X2P HV100 REC CON. TE, 8.5MM



TE Part # 1676323-2
RN 0805 3K09 0.1% 10PPM 1KRL



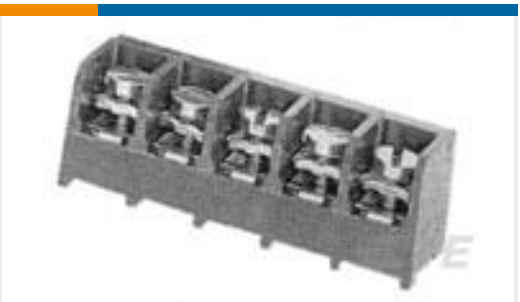
TE Part # 3-1123723-7
3.96 EP HDR ASSY 7P(BLUE)



TE Part # 1747981-1
Std HDMI, RA, SMT



TE Part # 5414651-3
JACK,DECOUP,LOW PROFILE,ESD, BNC



TE Part # 6-1437651-2
6PCR-02-006=6PCR ASSEMBLY



Documents

Product Drawings

50 MODII VRT 2PC DR CE 100CL, RoHS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_5-534972-3_P1.3d_igs.zip

English

Customer View Model

ENG_CVM_5-534972-3_P1.3d_stp.zip

English

Customer View Model

ENG_CVM_5-534972-3_P1.2d_dxf.zip

English

3D PDF

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