

5-534972-3 ✓ ACTIVE

AMPMODU | Modu Connector System

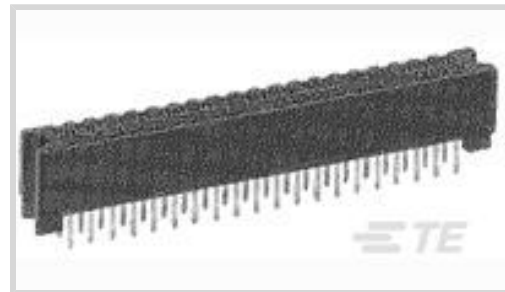
TE Internal #: 5-534972-3

PCB Mount Receptacle, Vertical, Board-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Gold, Through Hole - Solder, Signal, Modu Connector System

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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 $\mu$ m
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 $\mu$ m[30 $\mu$ m]
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

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

### Packaging Features

Packaging Type	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: JUNE 2023 (235) 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 Housings(2)



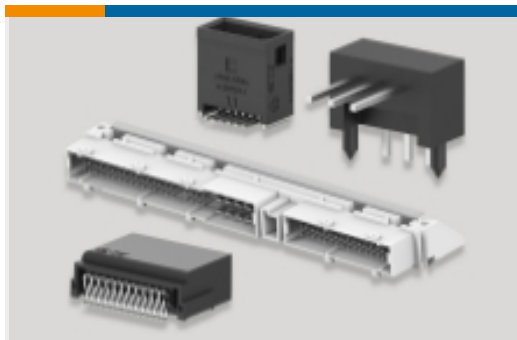
Board-to-Board Jumpers & Shunts(5)



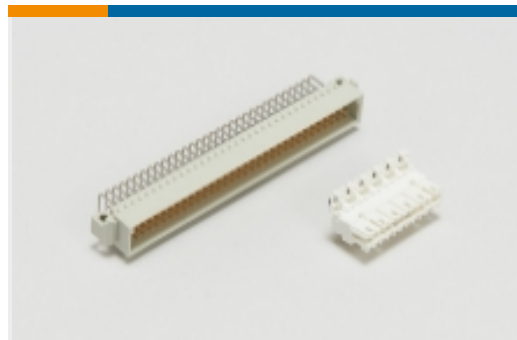
Connector Caps & Covers(4)



PCB Connector Keying(4)

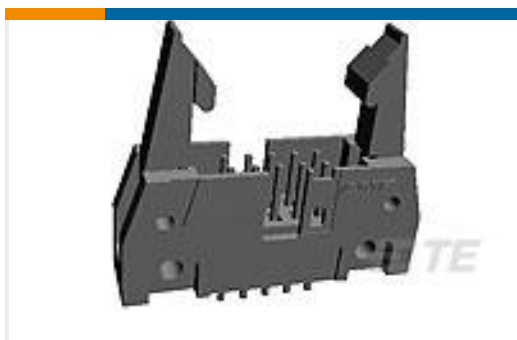


PCB Headers & Receptacles(1245)



Standard Edge Connectors(2)

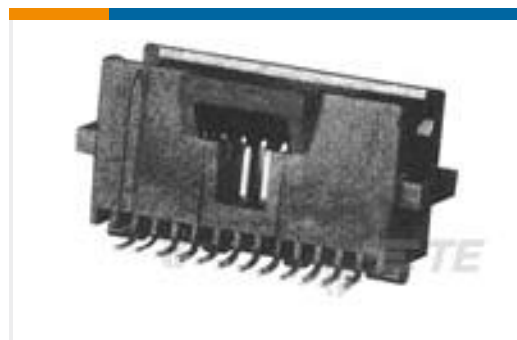
## Customers Also Bought



TE Part #5499206-1  
A/L UNIV HDR 10P VERT LG LAT



TE Part #640452-4  
04P MTA100 HDR ASSY SQ STR



TE Part #6-104549-0  
100 SYS50 S/M HDR DRST SHRDSN



TE Part #1-640388-6  
16P MTA156 HDR ASSY RN STR F/L



TE Part #5103308-2  
A/L LOW PRO HDR 14P VERT BLACK



TE Part #1625854-3  
0603 PROBE PAD



TE Part #1-1437653-3  
6PCV-08-006=6PCV ASSEMBLY



TE Part #1877285-5  
05P EP SHRD HDR ASMY, WHITE



## Documents

### Product Drawings

[50 MODII VRT 2PC DR CE 100CL, RoHS](#)

English

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### 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

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### Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5\\_CONT](#)

English