



Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles

PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Vertical**Connector System: **Wire-to-Board**Number of Positions: **9**Number of Rows: **3**

## Features

### Electrical Characteristics

Operating Voltage	600 VAC
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### Dimensions

Row-to-Row Spacing	6.35 mm [.25 in]
Connector Width	20.32 mm [.8 in]
PCB Thickness (Recommended)	1.57 mm [.062 in]
Connector Height	13.97 mm [.55 in]
Connector Length	20.32 mm [.8 in]
Profile Height from PCB	14.73 mm [.58 in]

### Packaging Features

Packaging Quantity	100
Packaging Method	Bag

### Industry Standards

Compatible With Agency/Standards Products	UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

### Usage Conditions



Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

### Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

### Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

### Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	2.2 mm[.087 in]
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Size	2.2mm
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Layout	Matrix
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	12 A

### Housing Features

Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]



### Configuration Features

Number of Columns	3
Number of Loaded Positions	9
Number of Power Positions	9
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	9
Number of Rows	3

### Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Body Features

Primary Product Color	Natural
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### Operation/Application

Circuit Application	Power
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### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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 2024 (241) 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 265°C

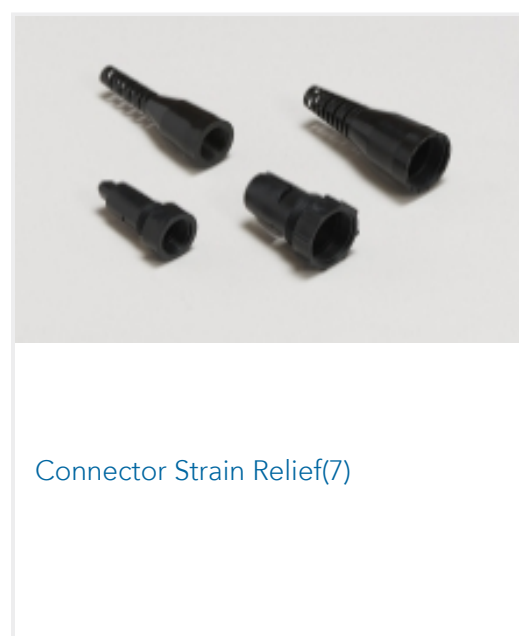
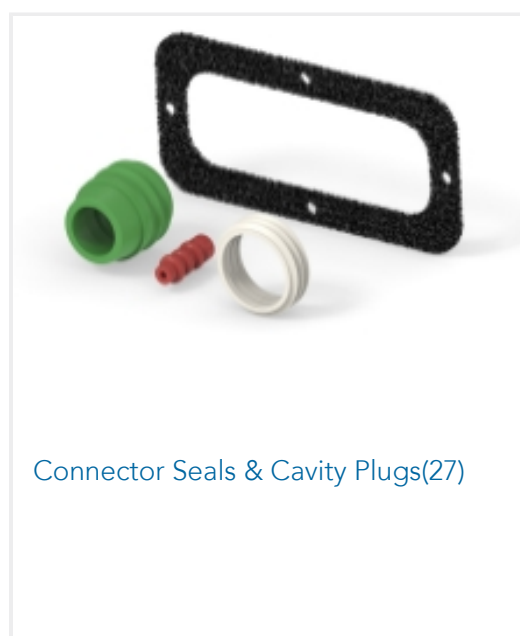
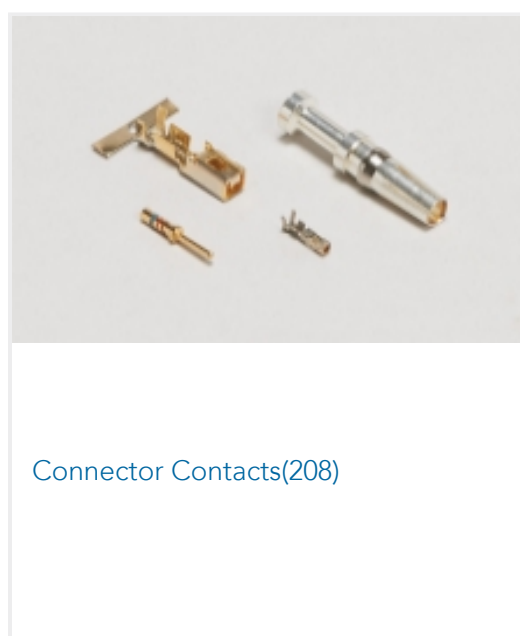
Product Compliance Disclaimer

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

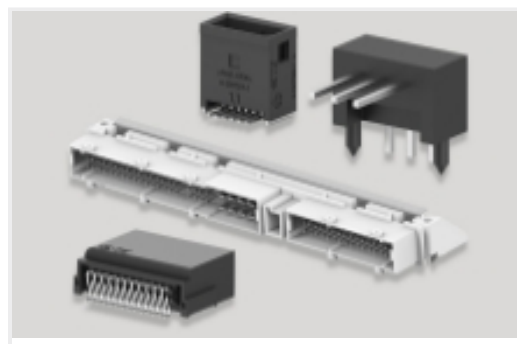


### Also in the Series | Universal MATE-N-LOK





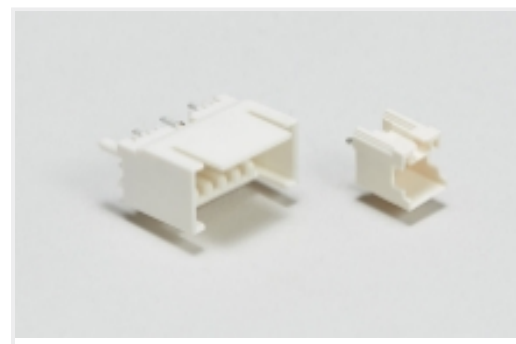
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(286)



Power Contacts(208)



Wire-to-Board Headers & Receptacles (286)

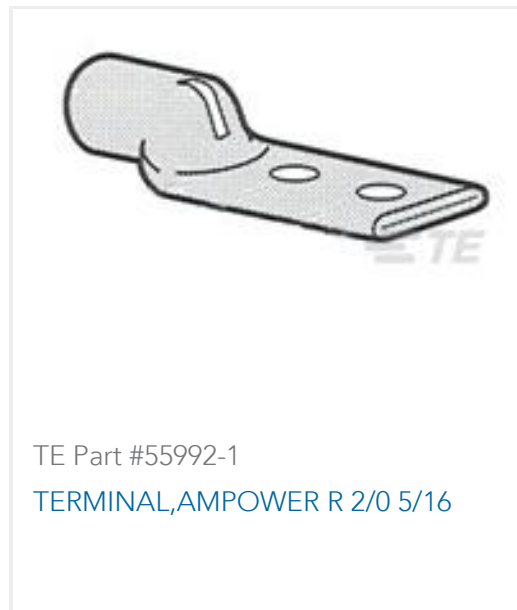
## Customers Also Bought



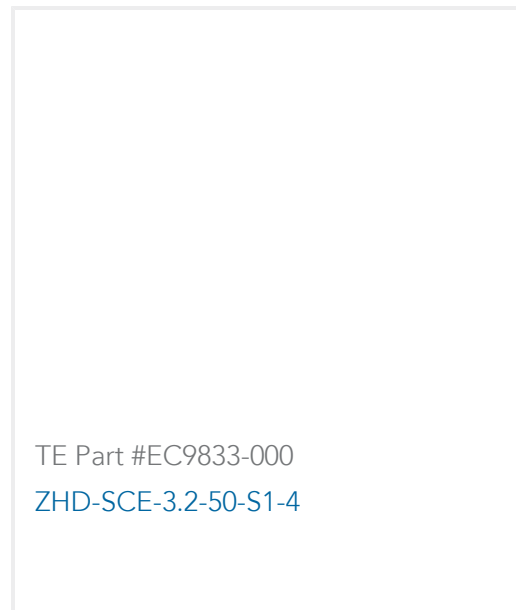
TE Part #1614770-4  
BDS 2 A 250 10R 10%



TE Part #1-1415543-5  
RTE44110



TE Part #55992-1  
TERMINAL,AMPOWER R 2/0 5/16



TE Part #EC9833-000  
ZHD-SCE-3.2-50-S1-4



TE Part #ASA158F12390235000  
623 PLUG



TE Part #YZ-KC-212751A-PY00  
TOOL DISMOUNTING - FXP2



TE Part #ZPF000000000205373  
PLUG MALE ANG.90 CAL.20 - FXP



TE Part #ZPF000000000136485  
RECEPTACLE MALE FOR 12 PINS,  
CAL1,6



TE Part #ZPF000000000205378  
CONTACT MALE ANG.90, CAL20,  
120MM2 - FXP



TE Part #ZPF000000000205388  
CONTACT FEMALE CAL.20, M12 - FXP

## Documents

### Product Drawings

09P UMNL PIN HDR ASSY NATL, GW

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1586984-1\_1.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1586984-1\\_1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1586984-1\\_1.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English