



Power Double Lock

TE Internal #: 5-1903720-1  
12 Position, Cap, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm  
[.156 in] Centerline, 3 Row, 300 VAC, Wire & Cable, Power, Power  
Double Lock

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**  
Connector & Housing Type: **Cap**  
Termination Method to Wire & Cable: **Crimp**  
Connector System: **Wire-to-Wire**  
UL Flammability Rating: **UL 94V-0**

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Connector Product Type            | Housing      |
| Connector & Housing Type          | Cap          |
| Connector System                  | Wire-to-Wire |
| Sealable                          | No           |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

|                            |    |
|----------------------------|----|
| Number of Positions        | 12 |
| Number of Rows             | 3  |
| Number of Power Positions  | 12 |
| Number of Signal Positions | 0  |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 300 VAC |
|-------------------|---------|

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|



Contact Features

|              |     |
|--------------|-----|
| Contact Type | Tab |
|--------------|-----|

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Material   | Nylon 6/6        |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                        |                           |
|------------------------|---------------------------|
| UL Flammability Rating | UL 94V-0                  |
| Glow Wire Rating       | GWT 750°C (Without Flame) |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 150 |
| Packaging Method   | Bag |

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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                      |



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 # CAT-P87024-T111  
Power Double Lock Tab

TE Part # 177920-1  
POWER DBL LOCK PLATE 3.96MM 4POS

TE Part # 5-177905-1  
POWER DBL LOCK PLUG HSG 12P (GWT)

Also in the Series | Power Double Lock

Connector Contacts(24)

Connector Hardware(13)

Power Contacts(24)

Rectangular Connector Housings(232)

Rectangular Power Connectors(275)

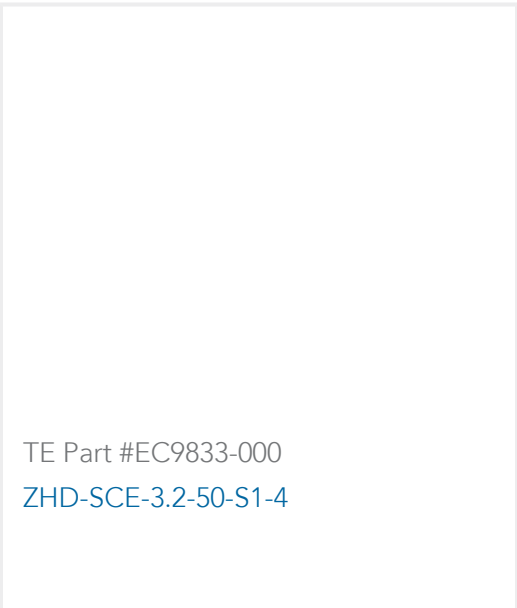
Standard Rectangular Connectors(232)

Wire-to-Board Connector Assemblies & Housings(33)

Customers Also Bought



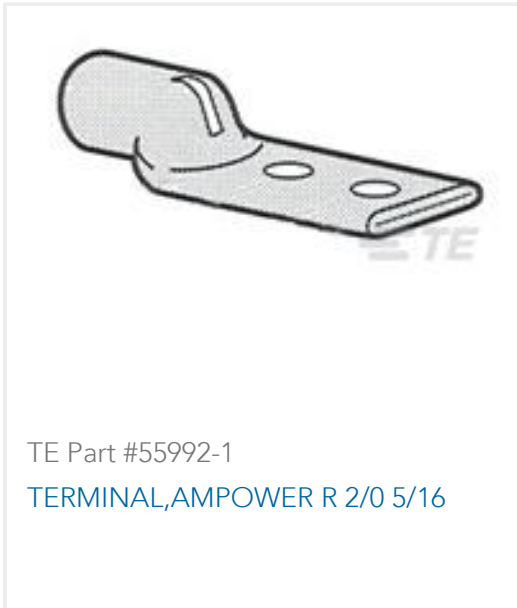




TE Part #EC9833-000  
ZHD-SCE-3.2-50-S1-4



TE Part #ASA158F12390235000  
623 PLUG



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



TE Part #1-1415543-5  
RTE44110



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



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 #ZPF000000000205388  
CONTACT FEMALE CAL.20, M12 - FXP



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

Documents

Product Drawings

PDL 3.96MM PITCH CAP HSG 12P NAT(GWT)

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-1903720-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1903720-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1903720-1\_F.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

5-1903720-1

12 Position, Cap, Housing, Crimp, Wire-to-Wire, UL 94V-0, 3.96 mm [.156 in]  
Centerline, 3 Row, 300 VAC, Wire & Cable, Power, Power Double Lock



Application Specification

English