

6648435-1 ✓ ACTIVE

ELCON

TE Internal #: 6648435-1

Connector Contact, Socket, Wire-to-Board / Wire-to-Wire, 4 AWG

Wire Size, Silver, Bag & Box, Wire & Cable, 100 A, Power, Cable

Mount (Free-Hanging)

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Socket**

Connector System: **Wire-to-Board, Wire-to-Wire**

Wire Size: **4 AWG**

Contact Mating Area Plating Material: **Silver**

Packaging Method: **Bag & Box**

## Features

### Product Type Features

|                                   |                             |
|-----------------------------------|-----------------------------|
| Connector System                  | Wire-to-Board, Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable                |

### Contact Features

|                                      |                 |
|--------------------------------------|-----------------|
| Mating Pin Diameter                  | 6.28 mm[.25 in] |
| Contact Type                         | Socket          |
| Contact Mating Area Plating Material | Silver          |
| Contact Current Rating (Max)         | 100 A           |

### Mechanical Attachment

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

### Dimensions

|           |       |
|-----------|-------|
| Wire Size | 4 AWG |
|-----------|-------|

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

### Operation/Application

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

### Packaging Features

|                  |           |
|------------------|-----------|
| Packaging Method | Bag & 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: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free   |
| Solder Process Capability                     | Not applicable 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



## Customers Also Bought



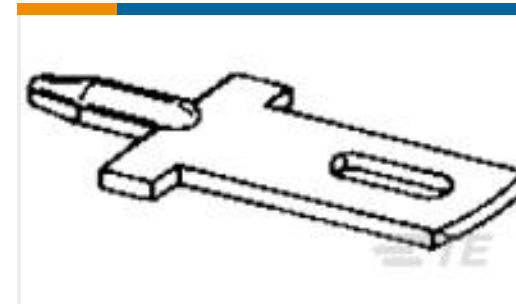
TE Part #5747842-4  
25 MSFL PLUG RA 318 (IN,FM,BL)



TE Part #5-2176070-1  
3521 1K2 1% 2W



TE Part #1658621-8  
34 NOVO MIL/CTR 15DP, LEAD FREE



TE Part #735187-2  
110 FASTON TAB TPBR



TE Part #1650155-1  
701-14-02109=CONTACT,PIN,#20



TE Part #6766615-1  
293-0091-01100=HSG ASSY W/CLIPS



TE Part #1658621-1  
10 NOVO MIL/CTR 15DP, LEAD FREE



TE Part #5749765-3  
SCREWLOCK M2.6 FEM PLTD

## Documents

### Product Drawings

[CONTACT,SKT,SIZE #4](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6648435-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6648435-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6648435-1\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC02\\_CABLE\\_MOUNTED](#)

English

[AMP & ELCON Power Connector Layout Forms Datasheet 6-1773444-7](#)

English

### Product Specifications

[Application Specification](#)

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Bag & Box, Wire & Cable, 100 A, Power, Cable Mount (Free-Hanging)



English