

1766193-1 ✓ ACTIVE

ELCON | ELCON Drawer

TE Internal #: 1766193-1

Power Contacts, Contact, 250 VAC, 250 VDC, Silver, 12 AWG Wire Size, 4 mm² Wire Size, 6530 CMA Wire Size, Wire-to-Wire, Wire & Cable, ELCON Drawer

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Silver**

Wire Size: **12 AWG**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Contact Features

Contact Mating Area Plating Material	Silver
Contact Current Rating (Max)	35 A
Contact Type	Pin
Contact Retention Within Housing	With
Mating Pin Diameter	2.38 mm[.094 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	5.08 μm[200 μin]
Contact Mating Area Plating Material Finish	Bright



Wire Contact Termination Area Plating Thickness	5.08 µm[200 µin]
Wire Contact Termination Area Plating Material	Silver
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Barrel Type	Closed Barrel
Contact Size	12

Termination Features

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

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

Wire Size	6530 CMA
-----------	----------

Usage Conditions

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

Operation/Application

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

Packaging Features

Packaging Method	Bag
Packaging Quantity	500

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed

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



TE Part # 601967-1
CRIMPING TOOL M22520/1-01



TE Part # 1643915-1
703-12-00100



TE Part # 1648318-2
702-32-01109=CONTACT,SKT,#12

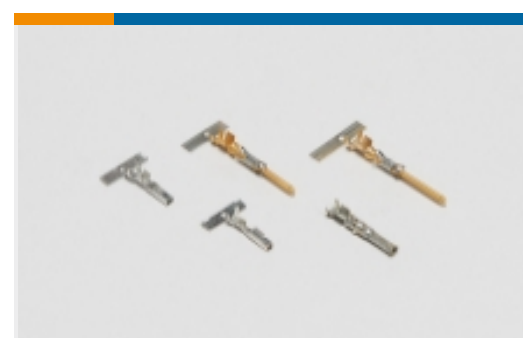


TE Part # 601967-2
POSITIONER M22520/1-02

Also in the Series | ELCON Drawer




PCB Connector Mounting(1)



Power Contacts(33)



Rectangular Connector Hardware(1)



Rectangular Power Connectors(31)

Customers Also Bought



TE Part #1648203-1
297-08-01100=SA CONN,PIN



TE Part #6648317-1
CONTACT,SOCKET,SIZE #8



TE Part #1648325-1
702-92-01109=CONTACT,SKT,#20



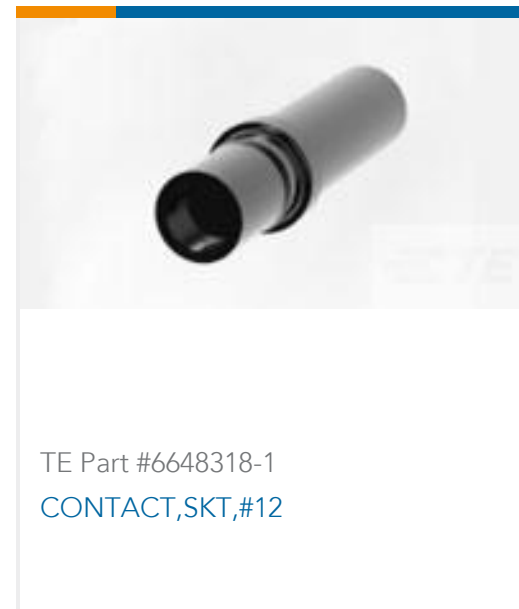
TE Part #1766192-1
CONTACT,PIN,#8



TE Part #1766194-1
CONTACT,PIN,#16



TE Part #1650106-1
902-84-02113=SCREW,SHOULDER,#6-32



TE Part #6648318-1
CONTACT,SKT,#12



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



TE Part #1650162-3
701-65-02157=CONTACT,PIN,#20



TE Part #1648162-1
261-0006-01100

Documents

Product Drawings

[CONTACT,PIN,SIZE #12](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1766193-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1766193-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1766193-1_C.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

[1-1773875-1_FORGE_DRAWER_CONNECTORS_CN](#)

[3-1773463-3_FORGE_DRAWER_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_1766193-1_041020181327_dmtec](#)

English

[MD_1766193-1_041020181327_dmtec](#)

English