

1650283-1 ✓ ACTIVE

ELCON | ELCON Drawer

TE Internal #: 1650283-1

Power Contacts, Contact, Gold, 24 – 20 AWG Wire Size, Printed Circuit Board, Power, Pin, -55 – 105 °C [-67 – 221 °F], Copper, Straight, ELCON Drawer

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Gold**

Wire Size: **24 – 20 AWG**

Connector & Contact Terminates To: **Printed Circuit Board**

Contact Current Rating (Max): **5 A**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Power Contact Type | Contact |
| Connector & Contact Terminates To | Printed Circuit Board |

Contact Features

| | |
|---|-----------------|
| Contact Size | Size 20 |
| PCB Contact Termination Area Plating Material Thickness | .76 µm[30 µin] |
| PCB Contact Termination Area Plating Material | Gold |
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 5 A |
| Contact Type | Pin |
| Contact Retention Within Housing | Without |
| Mating Pin Diameter | 1.02 mm[.04 in] |
| Contact Base Material | Copper |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Contact Orientation | Straight |



| | |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

| | |
|---|--------------|
| Contact Underplating Material Thickness | 1 µm[40 µin] |
|---|--------------|

Termination Features

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|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

| | |
|-----------|-------------|
| Wire Size | 24 – 20 AWG |
|-----------|-------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
|--------------------|------|

| | |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

Other

| | |
|--------------------------|---------------------------------|
| Power Connectors Comment | PCB Termination Type - Standard |
|--------------------------|---------------------------------|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
|------------------------------|---------------------------|

| | |
|-----------------------------|---------------------------|
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
|-----------------------------|---------------------------|

| | |
|---|--------------------------------------|
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
|---|--------------------------------------|

| | |
|--|--|
| EU REACH Regulation (EC) No. 1907/2006 | <p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC > Threshold:</p> <p>Pb (3.7% in Component Part)</p> |
|--|--|

Article Safe Usage Statements:
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

| | |
|-----------------|---|
| 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

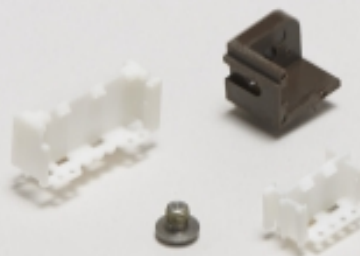


TE Part # 1648382-1
708-68-01109=CONTACT,SKT,#20




TE Part # 1648358-1
708-0130-01109

Also in the Series | ELCON Drawer




PCB Connector Mounting(1)



Power Contacts(35)



Rectangular Connector Hardware(1)



Rectangular Power Connectors(32)

Customers Also Bought



TE Part #6609049-2
3VQ3=F7266 S0



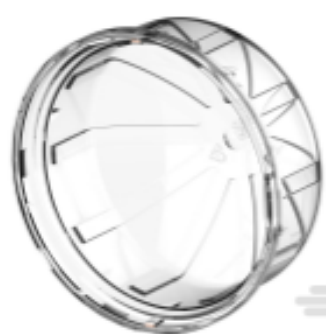
TE Part #1648382-1
708-68-01109=CONTACT,SKT,#20



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



TE Part #6648400-1
CONTACT,SKT



TE Part #1-2328823-2
LUMAWISE S 80MM DIA DOME
CLEAR MEDIUM



TE Part #1766262-1
CONTACT,PIN,#8,PC



TE Part #1650153-2
701-12-02109=CONTACT,PIN,#12



TE Part #2213831-2
BASE ASSY, 80MM, VENTED, SEALED



TE Part #ANT-418-MHW-RPS-L
Antenna 418MHz Dipole MHW Long
RPS

Documents

Product Drawings

[707-06-02109=CONTACT,PIN,#20](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1650283-1_G.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1650283-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1650283-1_G.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](#)

English



Product Environmental Compliance

Product Compliance

English

Product Compliance

English