1650283-1 ✔ ACTIVE

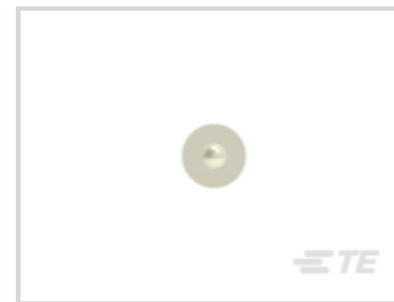
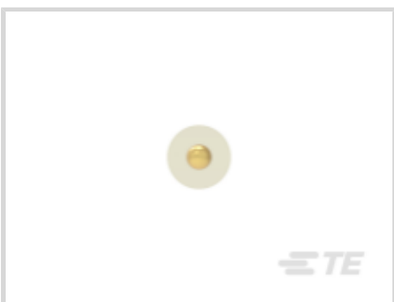
ELCON | ELCON Drawer

TE Internal #: 1650283-1

Gold (Au), Pin Contact, 24 – 20 AWG, Size 20, Copper, Power, -55 – 105 °C [-67 – 221 °F], ELCON Drawer

View on TE.com >

Connectors > Contacts > Connector Contacts

Contact Type: **Pin**

Contact Mating Area Plating Material: **Gold (Au)**

Contact Retention Within Housing: **Without**

Contact Size: **Size 20**

Wire Size: **24 – 20 AWG**

Features

Contact Features

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

Termination Method to PCB	Through Hole - Solder

Product Terminates To	Printed Circuit Board

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

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (3.7% in 74019106) 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 < 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

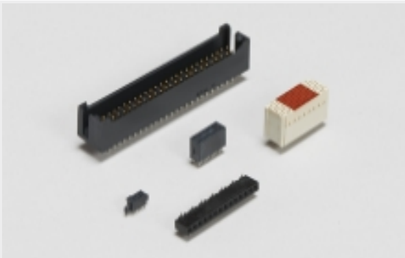
numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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

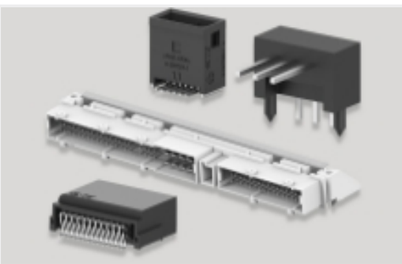
Also in the Series | ELCON Drawer



Board-to-Board Headers & Receptacles(10)

Connector Contacts(34)

Connector Hardware(1)



PCB Headers & Receptacles(10)

Power Contacts(34)

Rectangular Connector Housings(1)

Rectangular Power Connectors(9)

Customers Also Bought

TE Part #3-641126-8
08P MTA100 HDR ASY FL/STR LF

TE Part #CAT-104MTA-NGPNR
Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment

TE Part #3-641216-2
02P MTA100 HDR ASSY FL/RA LF

TE Part #2-1617031-4
HFW1201K46M = M39016/6-209M

TE Part #1617121-9
JMAC-26XM = M39016/9-062M

TE Part #1648156-1
242-27-01100

TE Part #2-1658527-8
622-3441LF=FSKT IDC S 34 30AU

TE Part #1766283-1
CONTACT,PIN,#4,M5

TE Part #6648400-1
CONTACT,SKT

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