



Connectors > Contacts > Connector Contacts



Contact Type: **Pin**
Contact Mating Area Plating Material: **Silver (Ag)**
Wire Contact Termination Area Plating Material: **Silver**
Contact Retention Within Housing: **Without**
Contact Size: **Size 12**

Features

Contact Features

Contact Underplating Material	Nickel
Contact Orientation	Straight
Mating Pin Diameter	2.38 mm[.094 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	5 µm[200 µin]
Wire Contact Termination Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material Thickness	5.08 µm[200 µin]
Wire Contact Termination Area Plating Thickness	5 µm[200 µin]
PCB Contact Termination Area Plating Material	Silver
Contact Type	Pin
Contact Mating Area Plating Material	Silver (Ag)
Wire Contact Termination Area Plating Material	Silver
Contact Retention Within Housing	Without
Contact Size	Size 12
Contact Base Material	Brass



Contact Current Rating (Max)	35 A
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Termination Features

Termination Method to PCB	Through Hole - Solder
Product Terminates To	Printed Circuit Board

Mechanical Attachment

Wire Insulation Support	Without
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

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	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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, 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 # 6648318-1
CONTACT,SKT,#12

TE Part # 6648374-1
CONTACT,SKT,SIZE #12

Also in the Series | ELCON Drawer

Board-to-Board Headers & Receptacles(25)

Connector Contacts(34)

Connector Hardware(1)

PCB Headers & Receptacles(25)

Power Contacts(34)

Rectangular Connector Housings(1)

Rectangular Power Connectors(24)

Customers Also Bought

TE Part #6-2176397-4
3502 430R 1%

TE Part #6648374-1
CONTACT,SKT,SIZE #12

TE Part #DRC16-40S-P013
PLG, 40P, BLK, N, SEAL BOND

TE Part #2-1393250-9
W28-XQ1A-14=W28





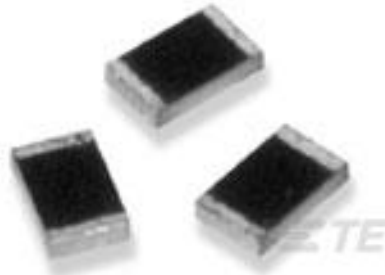
TE Part #284052-E
SRCA 2,54 3 M 1 SMD 137 E1 094 *
GURT *



TE Part #3-1393250-9
W28-XQ1A-6=W28-



TE Part #HD30-18BT-BK
BOOT, 18SZ, ST, BLK



TE Part #1-1879256-0
RP 2B 121R 0.1% 15PPM CUT LENGTH



TE Part #2232331-1
RPC-M12X-FF-8CON-M16-LBU



TE Part #4-2176459-2
SMW 7W 5R1 5% Taped

Documents

Product Drawings

CONTACT,PIN,#12

English

CAD Files

Customer View Model

ENG_CVM_CVM_1766245-1_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1766245-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1766245-1_D.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

1766245-1

Pin Contact, Silver (Ag), Size 12 Contact Size, Brass, Power, -55 – 105 °C [-67 – 221 °F],
ELCON Drawer

