



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	1.57 mm[.062 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
Wire Contact Termination Area Plating Thickness	5.08 µm[200 µin]
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	Copper
Contact Current Rating (Max)	35 A

Termination Features



Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

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

Dimensions

Wire Size	20 – 16 AWG
-----------	-------------

Usage Conditions

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

Operation/Application

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

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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

TE Part # 6648319-1
CONTACT,SKT

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

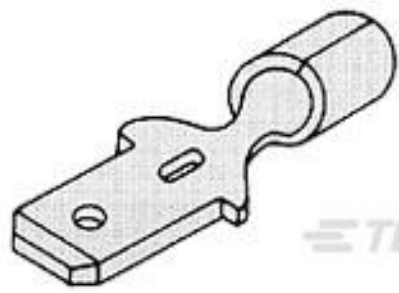
TE Part #1-178295-2
DYNAMIC D3100S HDR H 5P ASSY
AU038

TE Part #1-178136-2
DYNAMIC D3200 HDR V ASSY 3P
AU038

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

TE Part #1766193-1
CONTACT,PIN,SIZE #12





TE Part #61907-1
[187 FASTON TAB TPBR](#)



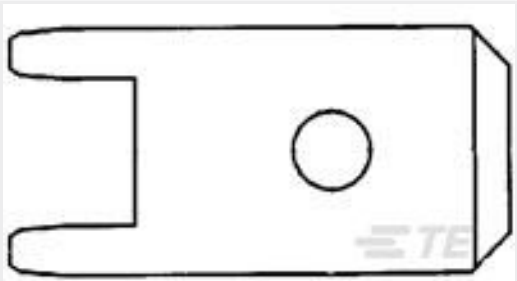
TE Part #1747053-1
[40 P HDR ASSY - V TYPE PC.I/O CONN.](#)



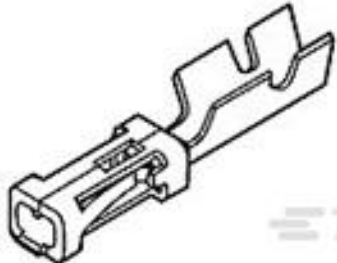
TE Part #121397P024
[ES2000-NO.3-B8-0-STK](#)



TE Part #350690-1
[UMNL PIN 24-18 PTPBR L/P](#)



TE Part #170267-1
[250 FASTON,PCB TAB,TCBR](#)



TE Part #5-103171-4
[MOD IV RECP PLTD 30 DPLX LF](#)

Documents

Product Drawings

[CONTACT,PIN,#16](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1766198-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1766198-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1766198-1_E.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

1766198-1

Pin Contact, Silver (Ag), Size 12 Contact Size, 20 – 16 AWG, Crimp, Copper, Power,
-40 – 105 °C [-40 – 221 °F], ELCON Drawer

