1648127-1 ✔ ACTIVE

ELCON

TE Internal #: 1648127-1

12 Position, Plug, Housing, Crimp, Wire-to-Board, UL 94V-0, 10.99 mm [.433 in] Centerline, 600 VAC, Wire & Cable, Power & Signal, Panel Mount

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors

Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Contact Retention Within Housing: **Without**

UL Flammability Rating: **UL 94V-0**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Power Positions	8
Number of Signal Positions	4

Electrical Characteristics

Operating Voltage	600 VDC

Body Features

Primary Product Color	Black
Cable Exit Angle	180°

Contact Features

Contact Retention Within Housing	Without
Contact Type	Pin
Contact Current Rating (Max)	35 A

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	10.99 mm[.433 in]

Dimensions

Wire Size	1.94 – 2.98 mm^2

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Bulk

Product Compliance

For compliance documentation, visit the product page on TE.com>

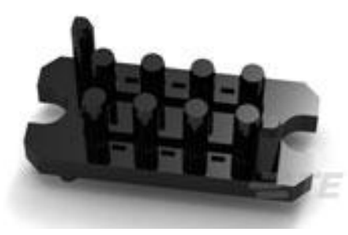
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 1648128-1
235-0153-01100=SKT,MARKED

Customers Also Bought

TE Part #193797-1
SKT ASSY - 2MM, 10 AWG

TE Part #193842-1
SKT ASSY., 2MM, 12-14 AWG

TE Part #193990-2
SKT ASSY,TYPE XII, #8 AWG

TE Part #770016-1
05P UMNLII IN-LNE PLUG HSG KIT

TE Part #770019-1
04P UMNLII IN-LNE PLUG HSG KIT

TE Part #6-1625999-5
HSC100 200R 5%

TE Part #1650402-1
902-83-02113=SCREW,SHLDR,8-32

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

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

TE Part #1648128-1
235-0153-01100=SKT,MARKED

Documents

Product Drawings

235-0152-01100

English

CAD Files

Customer View Model

ENG_CVM_CVM_1648127-1_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1648127-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1648127-1_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

Product Specifications

Application Specification

English