221-0012-01100 ✔ ACTIVE

ELCON

TE Part # 1648112-1

TE Internal #: 1648112-1

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors






Product Type: **Housing**

Housing Type: **Plug Housing**

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

Number of Positions: **22**

Centerline (Pitch): **3.302 mm [.13 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	22
PCB Mount Orientation	Vertical
Number of Power Positions	6
Number of Signal Positions	16

Electrical Characteristics

Operating Voltage	750 VDC

Contact Features

Contact Current Rating (Max)	5 A, 15 A, 35 A
Contact Retention	Without

Termination Features

Termination Method to Wire & Cable	Crimp
Termination Method to Printed Circuit Board	Solder

Mechanical Attachment

Connector Mounting Type	Panel

Housing Features

Centerline (Pitch)	3.302 mm[.13 in]
UL Flammability Rating	UL 94V-0
Housing Color	Black

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JUN 2012 (84)
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

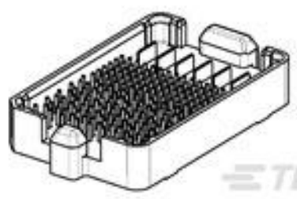
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Customers Also Bought



TE Part #1766829-1
SCREW,PAN HEAD,#4



TE Part #1-2057470-1
SM,HD,ST,032,084,06,PB,Y,11



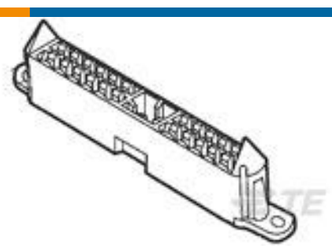
TE Part #1934356-1
TinMan R/A Header Assy 3x16 do



TE Part #5205734-4
09 RCPT SP/MS STD



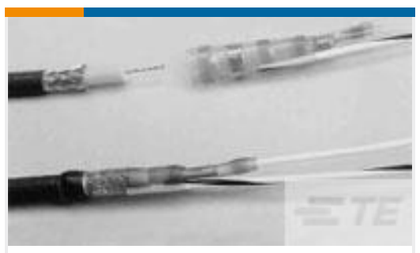
TE Part #5569350-1
MJ ASSY,3P,8 POS,R/A, CAT 5



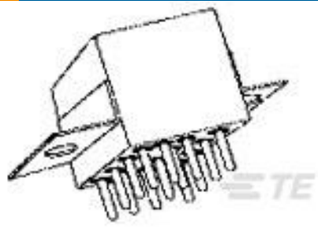
TE Part #765265-6
HDR.ASSY, W/21 SIG, LINES H.T.



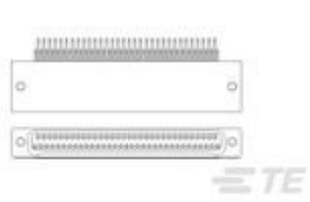
TE Part # YACT26JJ37JNV00100
STRAIGHT PLUG



TE Part #356303-000
D-181-2826-6/9



TE Part #7-1617760-3
FCB-405-0612L=M83536/6-012L



TE Part #5-1589956-0
STM06512670L2CN = SMT Conn

Documents

Product Drawings

221-0012-01100

English

CAD Files

Customer View Model

ENG_CVM_CVM_1648112-1_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1648112-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1648112-1_C.3d_stp.zip

English

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