



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **7.8 mm [.307 in]**

Features

Packaging Features

Packaging Quantity	1950
Packaging Method	Tray

Dimensions

Product Length	25 mm
Connector Height	8.25 mm
Wire Size	12 – 14 CMA
Row-to-Row Spacing	7.8 mm[.307 in]

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	500 VDC

Mechanical Attachment

Mating Retention Type	Latch
Mating Retention	With
Mating Alignment	Without



Connector Mounting Type	Cable Mount (Free-Hanging)
Contact Features	
Contact Mating Area Plating Material	Silver
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	.8 µm[.8 µin]
Contact Current Rating (Max)	40 A, 26 A
Contact Retention Within Housing	With
Contact Type	Receptacle
Contact Mating Area Plating Material Thickness	.8 µm[76.2 µin]
Product Type Features	
Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	2
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1
Termination Features	
Termination Method to Wire & Cable	Crimp
Housing Features	
Centerline (Pitch)	7.8 mm[.307 in]
Housing Color	Black
Housing Material	PBT GF
Usage Conditions	
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operation/Application	
Circuit Application	Power
Industry Standards	



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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

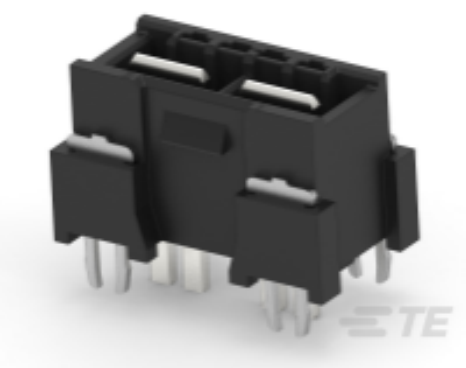
For compliance documentation, visit the product page on TE.com>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 2042274-7
ELCON MINI 2P VERT HEADER,PRESS-FIT,W/HD



TE Part # 1982295-1
ELCON MINI 2P RA HEADER, W /CODING



TE Part # 2042274-2
ELCON MINI 2P VERT HEADER,W/O CODING



TE Part # 1982295-8
ELCON MINI 2P RA HEADER,W/O CODING



TE Part # 1982295-4
ELCON MINI 2P RA HEADER,GOLD,W /O CODING



TE Part # 1579038-2
EXTRACTION TOOL



TE Part # 1982295-2
ELCON MINI 2P RA HEADER,W/O CODING



TE Part # 1982295-6
ELCON MINI 2P RA HEADER,GOLD,W /O CODING

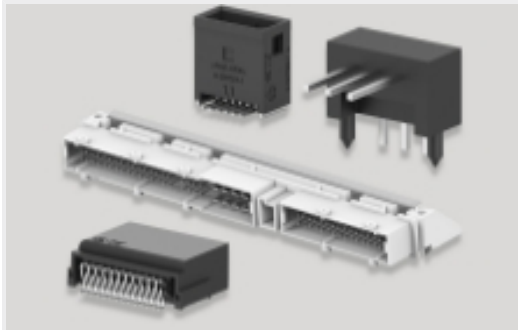


TE Part # 2042274-6
ELCON MINI 2P VERT HEADER,PRESS-FIT,W/O

Also in the Series | ELCON Mini



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(19)



Rectangular Power Connectors(6)

Customers Also Bought



TE Part #1888247-1
20 POS SMT CONN, SFP/SFP+, 30A



TE Part #2-2176231-2
3522 75R 1% 3W



TE Part #1-1469372-1
ATCA GUIDE MODULE RA MALE



TE Part #1658723-2
ASSY SFP CAGE 1X4 SOLDER TAIL



TE Part #1746136-1
SHIELD FINGER 1520 AU PL VERSION



TE Part #1-1469388-1
ATCA GUIDE MODULE VERT LONG PIN



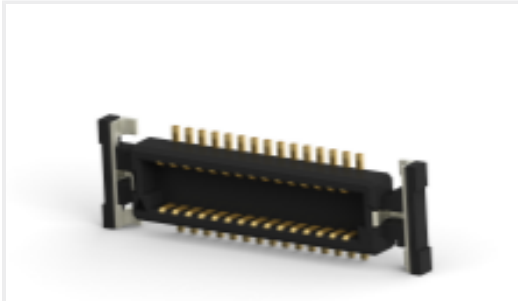
TE Part #770266-1
02P .093 COMM P&S RECPT .248CL



TE Part #2170745-4
CAGE ASSY, 1X4, QSFP28, SPRING, HS



TE Part #927829-5
SPT REC 6.3 Contact SRC Ag



TE Part #3-5353515-0
ON TAPING (EMBOSS) 0.5MM FS CONN. TAB AS

Documents

Product Drawings

ELCON MINI 2P CABLE CONN,W/O CODING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1982299-4_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1982299-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1982299-4_B.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

Product Specifications

Application Specification

English