

1982295-1 ✓ ACTIVE

ELCON | ELCON Mini

TE Internal #: 1982295-1

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 2 Position, .137 in / .307 in [3.5 mm / 7.8 mm] Centerline, ELCON Mini

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **2**

Centerline (Pitch): **3.5 mm, 7.8 mm [.137 in, .307 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	2
PCB Mount Orientation	Horizontal, Right Angle
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	500 VDC
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Contact Features

Contact Current Rating (Max)	35 A, 40 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Silver
Contact Mating Area Plating Material	Silver
Contact Mating Area Plating Material Thickness	.076 μm [3 μin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	3.5 mm, 7.8 mm [.137 in][.307 in]
Housing Color	Black
Housing Material	LCP GF30 (Liquid Crystal Polymer)

Dimensions

Row-to-Row Spacing	7.8 mm [.307 in]
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Usage Conditions

Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Method	Reel
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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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 2022 (224)
 Candidate List Declared Against: JAN 2022 (223)
 SVHC > Threshold:
 Not Yet Reviewed

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Pin-in-Paste capable to 260°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 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 # 1982299-4
ELCON MINI 2P CABLE CONN,W/O CODING



TE Part # 1982299-6
ELCON MINI 2P CABLE CONN,W/O , FLUSHED



TE Part # 2304883-1
CA,ET, 2POS, SHORT PULL-TAB,NO DETECT



TE Part # 1982299-1
ELCON MINI 2P CABLE CONN,WITH CODING(R)



TE Part # 1982299-2
ELCON MINI 2P CABLE CONN,WITH CODING(L)



TE Part # 1982299-3
ELCON MINI 2P CABLE CONN,WITH CODING(B)



TE Part # 2178186-4
ELCON MINI 2P CABLE CONN,6MM2, W/O CODING



TE Part # 2178186-3
ELCON MINI 2P CABLE CONN,6MM2, W/ (B)




TE Part # 1982299-8
ELCON MINI 2P CABLE CONN,W/O, FLUSHED



TE Part # 2178186-1
CABLE PLUG WITH DETECTION CONTACTS, 6mm2



TE Part # 2178186-2
CABLE PLUG WITH DETECTION CONTACTS, 6mm2

TE Part # 2246068-3
ELCON MINI 2P CABLE CONN,STD PULL-TAB

TE Part # 2246068-9
ELCON MINI 2P CABLE CONN,W/O PULL TAB


TE Part # 2360879-1
2P Elcon Mini to 2P Elcon Mini Cable Ass

TE Part # 2367772-3
ELCON MINI 2P CABLE CONN,W/O CODING


TE Part # 2367772-4
ELCON MINI 2P CABLE CONN,W/O CODING

TE Part # 2375479-1
2PET ELCON MINI KIT

Also in the Series | **ELCON Mini**



Insertion & Extraction Tools(1)



Power Cable Assemblies(6)



Rectangular Power Connectors(32)

Customers Also Bought



TE Part #5646489-1
HM Receptacle Connector: Traditional Backplane, Coplanar, 2mm



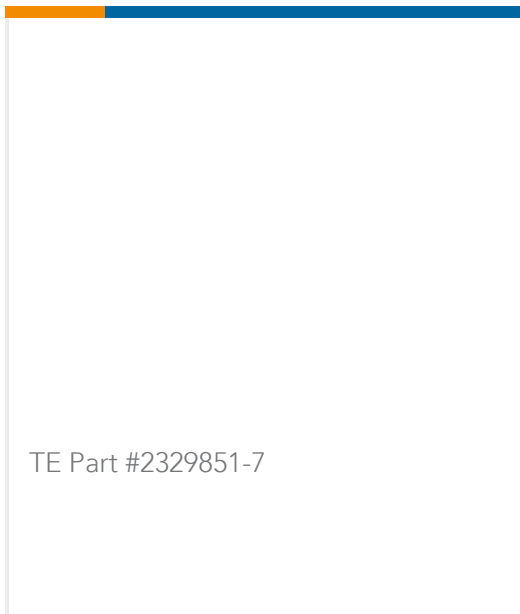
TE Part #2007637-5
SFP+ assy 2x2 Spring Fingers 4 LP Sn



TE Part #2292055-1
RECEPTACLE ASSY RA 50 POSN MBC



TE Part #2204535-1
ELCON MINI 2X3P STACKED RA HEADER,SOLDER



Documents

Product Drawings

[ELCON MINI 2P RA HEADER, W/CODING](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1982295-1_A_c-1982295-1-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1982295-1_A_c-1982295-1-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1982295-1_A_c-1982295-1-a.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[ELCON Mini Power Interconnects QRG \(English\)](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

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Product Environmental Compliance

[MD_1982295-1_1128201749_dmtec](#)

English

[MD_1982295-1_1128201749_dmtec](#)

English