



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

Connector System: **Cable-to-Board**

Number of Positions: **2**

Number of Rows: **1**

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

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Cable-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Shape	Rectangular

Configuration Features

Number of Positions	2
Number of Rows	1
PCB Mount Orientation	Right Angle
Number of Power Positions	2

Housing Features

Centerline (Pitch)	7.8 mm[.307 in]
Housing Material	LCP GF30 (Liquid Crystal Polymer)



Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.6 mm[.141 in]

Contact Features

Contact Mating Area Plating Material	Gold
Contact Type	Tab
Contact Current Rating (Max)	40 A
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.2 µm[47.24 µin]
Contact Mating Area Plating Material Thickness	.05 – .76 µm[1.97 – 29.92 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold

Industry Standards

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

Operation/Application

Circuit Application	Power
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Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention Type	Hold-Down

Body Features

Primary Product Color	Black
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Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operating Temperature (Max)	125 °C[257 °F]

Packaging Features



Packaging Method	Package
Packaging Quantity	200

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	500 VDC
Insulation Resistance	1000 MΩ

Dimensions

Connector Width	12.3 mm[.48 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8 mm[.31 in]
Connector Length	18.2 mm[.71 in]

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	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

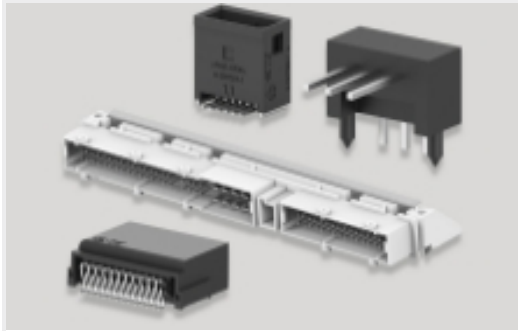


TE Part # 1982299-1
ELCON MINI 2P CABLE CONN,WITH CODING(R)

Also in the Series | ELCON Mini



Insertion & Extraction Tools(1)

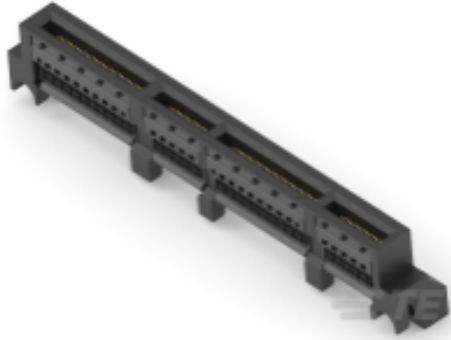


PCB Headers & Receptacles(19)

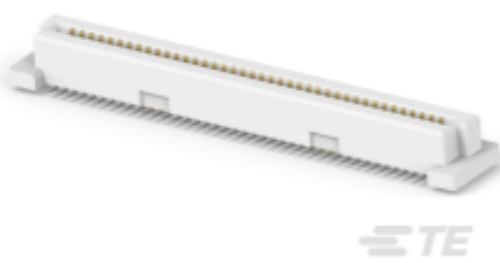


Rectangular Power Connectors(6)

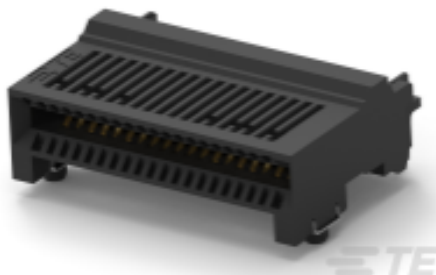
Customers Also Bought



TE Part #1-2340321-2
ASSY STRADDLE MOUNT 168P 076 SLIVER 2.0



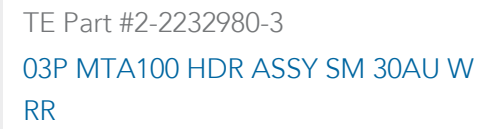
TE Part #1-5177985-3
0.8FH,R05H.5,080,15/Sn,TR,SC



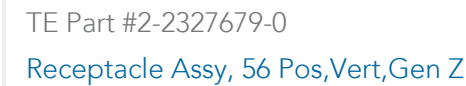
TE Part #1551920-4
zQSFP+ connector assembly



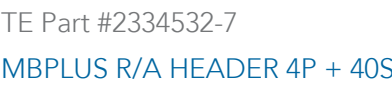
TE Part #835299-E
SCH SCHE O-RING 7,00 X1,50 GRUEN * 7,00



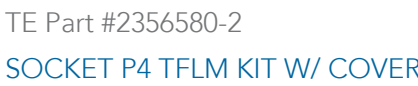
TE Part #2-2232980-3
03P MTA100 HDR ASSY SM 30AU W RR



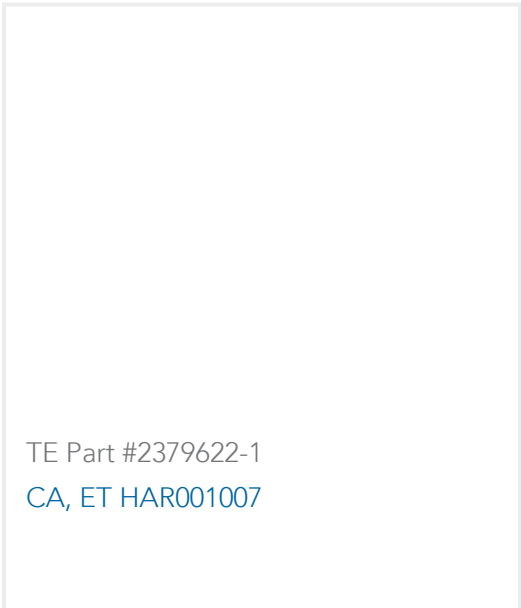
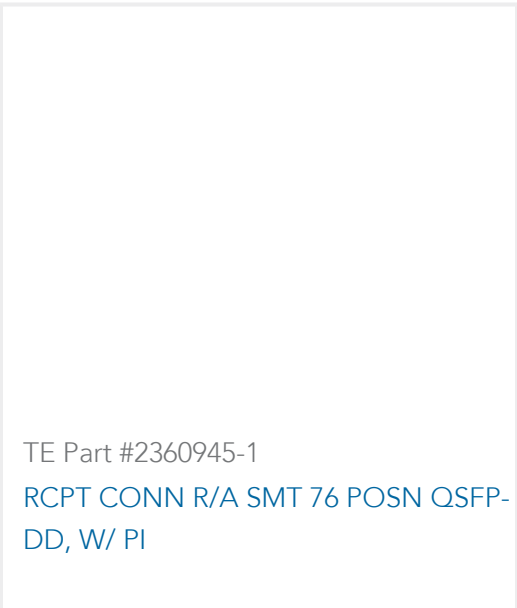
TE Part #2-2327679-0
Receptacle Assy, 56 Pos,Vert,Gen Z



TE Part #2334532-7
MBPLUS R/A HEADER 4P + 40S



TE Part #2356580-2
SOCKET P4 TFLM KIT W/ COVER



Documents

Product Drawings

ELCON MINI 2P RA HEADER,GOLD,W/O CODING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1982295-6_2_c-1982295-6-2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1982295-6_2_c-1982295-6-2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1982295-6_2_c-1982295-6-2.3d_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

Quality Specification

English