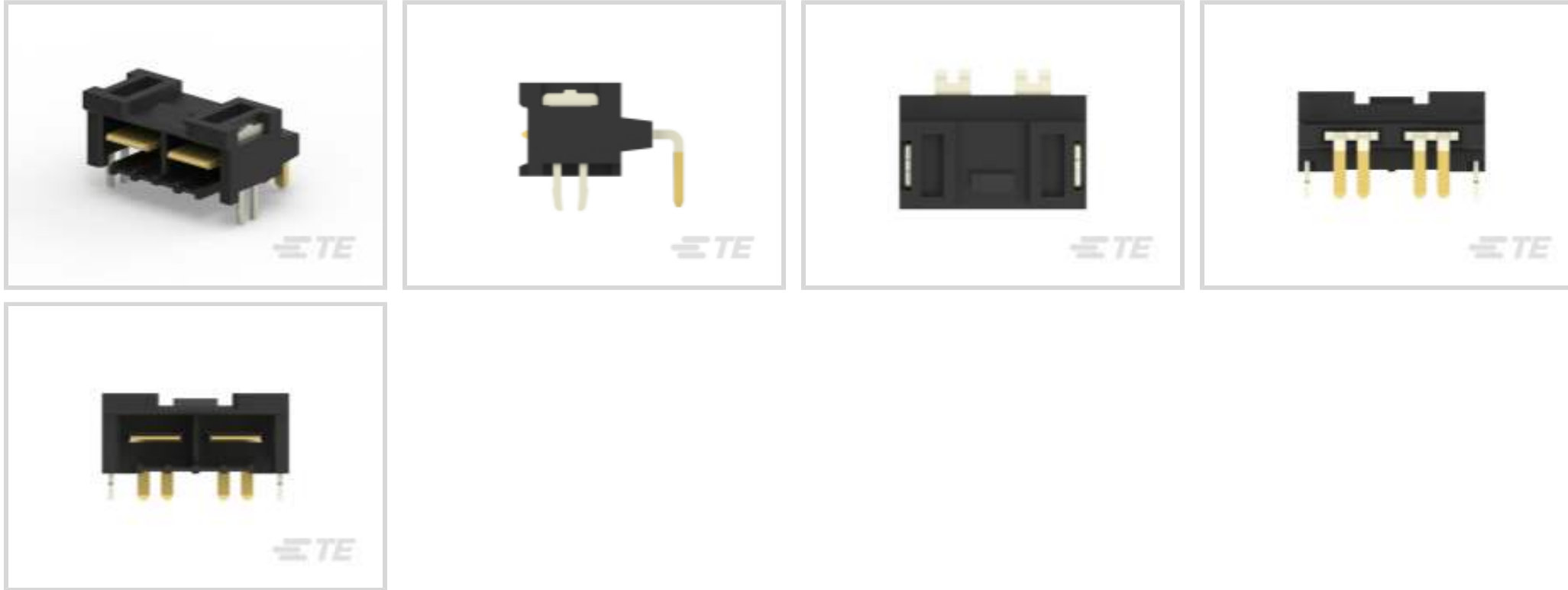# 1982295-6 ✔ ACTIVE

ELCON | ELCON Mini
TE Internal #: 1982295-6

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

View on TE.com >

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

Insulation Resistance	1000 MΩ

1982295-6

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

Operating Voltage	500 VDC

Contact Features

PCB Contact Termination Area Plating Material Thickness	.8 µm
Contact Layout	Inline
Contact Mating Area Plating Material	Silver
Contact Base Material	Copper Alloy
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 Thickness	.076 µm[3 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	Without
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Connector Mounting Type	Board Mount

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

Connector Height	8 mm
Product Length	18.2 mm
Row-to-Row Spacing	7.8 mm[.307 in]

Usage Conditions

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

1982295-6

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	200
Packaging Method	Reel

Product Compliance

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

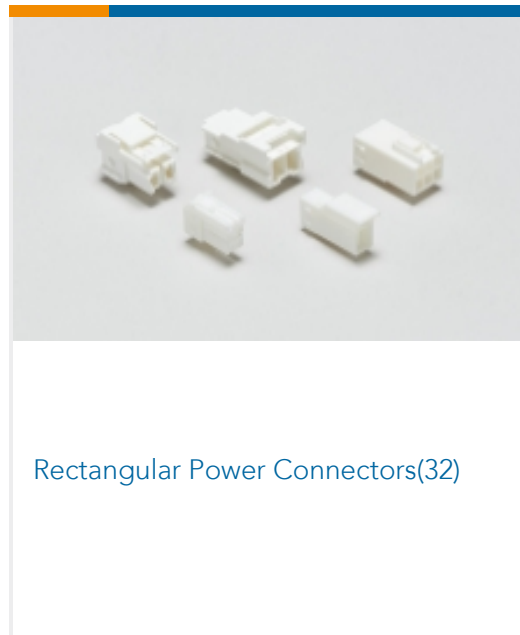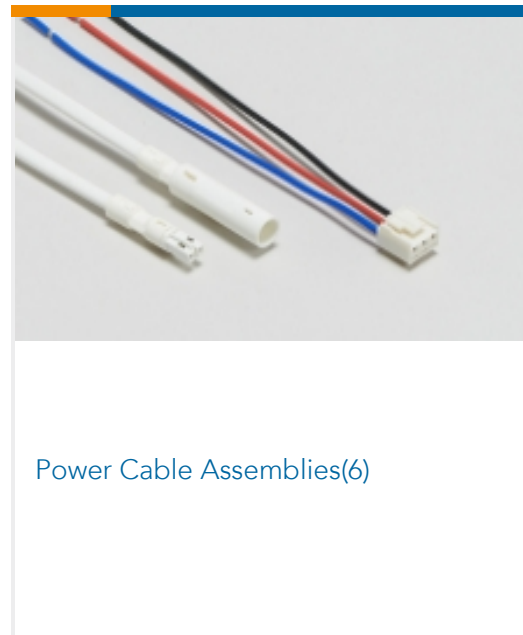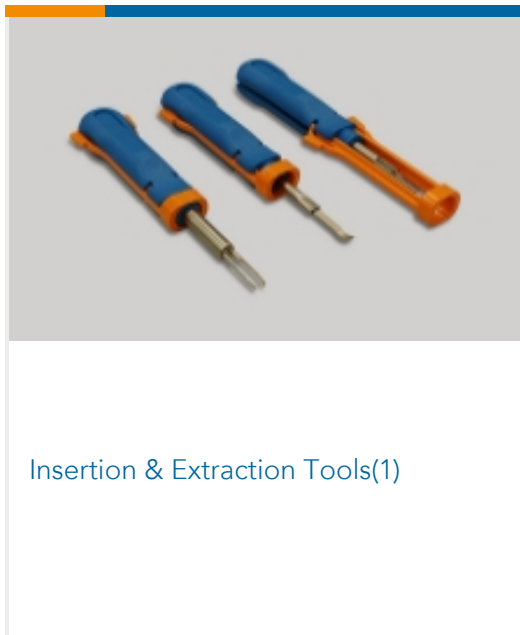|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does 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
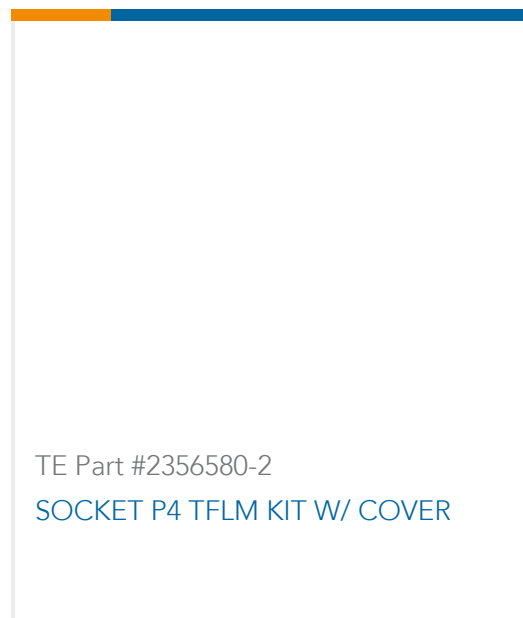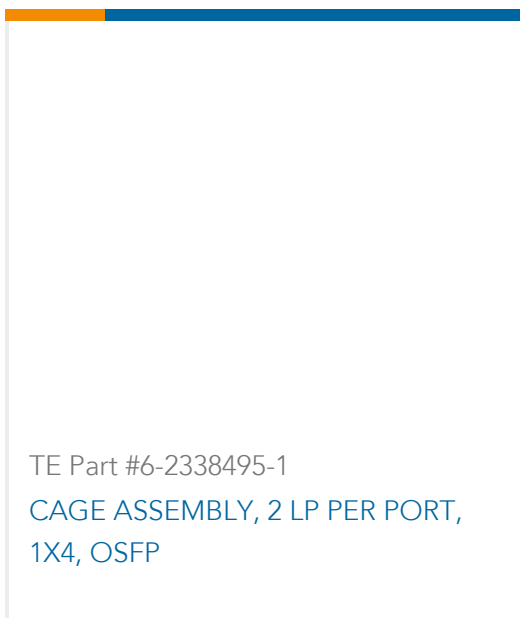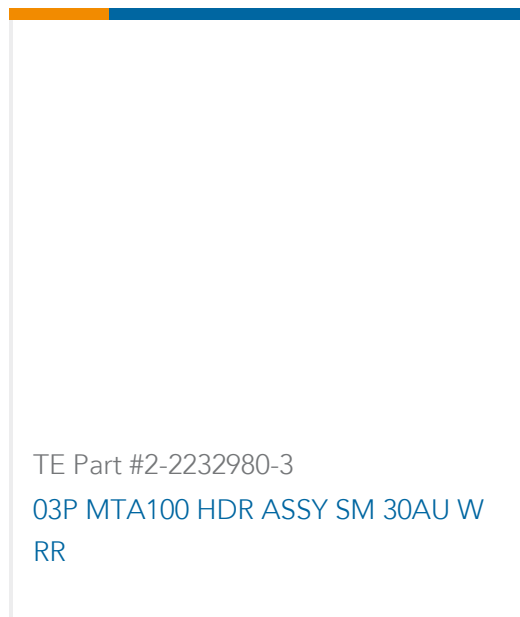
Compatible Parts

1982295-6

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

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)

Power Cable Assemblies(6)

Rectangular Power Connectors(32)

Customers Also Bought

TE Part #6368168-4
2X1 OFFSET MJ,LED(G/Y,G/Y)12PN

TE Part #2-2013290-1
EMBOSS TAPE DDR3 204P 5.2H RVS

TE Part #2110487-1
QSFP Cage, Solder Leg, No HS Opening

TE Part #1-2324271-3
RIGHT SEGMENT LGA4189-4 SOCKETP4 FOR ODM

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

TE Part #1-2324271-4
LEFT SEGMENT LGA4189-4 SOCKET-P4 FOR ODM

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

TE Part #2170806-8
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS

TE Part #6-2338495-1
CAGE ASSEMBLY, 2 LP PER PORT, 1X4, OSFP

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

1982295-6

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

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

Product Environmental Compliance

MD_1982295-6_10162017520_dmtec

English

MD_1982295-6_10162017520_dmtec

English