



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: **8**

Centerline (Pitch): **3 mm [ .118 in ]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	8
Number of Power Positions	8
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Contact Current Rating (Max)	10.5 A
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Contact Type	Receptacle
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.5 µm[100 µin]

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	Nylon 66

Dimensions

Row-to-Row Spacing	3 mm[.118 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Bag/Box
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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	Not Yet Reviewed
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 2021 (211) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

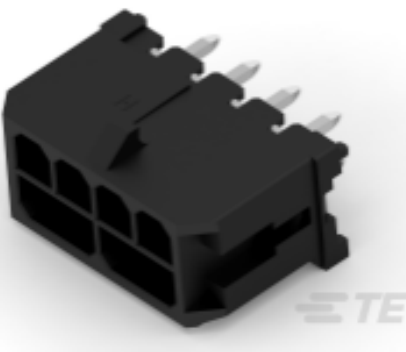
Product Compliance Disclaimer

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 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.

Compatible Parts

 <p>TE Part # 3-2204801-8 ELCON MICRO,HEADER,VERTICAL DIP,8P</p>	<p>TE Part # 2-2204801-1 ELCON MICRO,HEADER,VERTICAL DIP,6P</p>	<p>TE Part # 3-2204804-8 ELCON MICRO,HDR,VERTICAL DIP,8P W/CAP</p>	<p>TE Part # 2204748-6 ELCON MICRO,RECEPTACLE HOUSING,8P</p>
<p>TE Part # 2204749-8 ELCON MICRO,REC, CONTACT, TIN, 16-20AWG</p>	<p>TE Part # 2204814-6 HOUSING,ELCON MICRO,VERTICAL DIP,2X6</p>	<p>TE Part # 2204815-1 TERMINAL,ELCON MICRO,VERTICAL DIP,G/F</p>	<p>TE Part # 4-2204748-2 ELCON MICRO,RECEPTACLE HOUSING,4P</p>
<p>TE Part # 4-2204748-4 ELCON MICRO,RECEPTACLE HOUSING,8P</p>	<p>TE Part # 4-2204748-8 ELCON MICRO,RECEPTACLE HOUSING,16P</p>	<p>TE Part # 5-2204749-8 ELCON MICRO,RECEPTACLE, CONTANCT, TIN</p>	<p>TE Part # 5-2204801-1 ELCON MICRO,HEADER,VERTICAL DIP,6P</p>



TE Part # 6-2204748-8

ELCON MICRO,REC, CONT,  
UNPLATE,16-20AWG

TE Part # 6-2204749-8

ELCON MICRO,RECEPTACLE,  
CONTACT, TIN

Customers Also Bought

TE Part #1-5179029-0

Free Height Plug Connector: Board-  
Board, Vertical, 200, 0.8mm

TE Part #1-794407-0

MINI UMNL SOK 20-16 AWG AU LF

TE Part #1423674-6

W54-XB1A4A10-10=CKTBKR,THERM,P

TE Part #1-177537-0

2.5 M.I.S POST HDR ASSY 10P

TE Part #104891-8

80 50/50 GRID CABLE RCPT COVER

TE Part #114871-000

TXR41AB90-1608AI

TE Part #YDTS20F11-02AAV001

D38999: Square Flange, 11-02 insert

TE Part #1-2204749-8

ELCON MICRO,RECEPTACLE,  
CONTACT, TIN

TE Part #1052203-1

2037 8126 92

TE Part #1423254-6

P40C42A12C1-120=CONTACTOR  
ASSEMBLY

Documents

Product Drawings

ELCON MICRO,RECEPTACLE HOUSING,8P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2204748-4\_A.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2204748-4\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2204748-4\\_A.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[ELCON Micro Power Connectors \(EN\)](#)

English

[1-1773956-3-ELCON-Micro-CN](#)

Product Specifications

[Application Specification](#)

English