



TE Internal #: 1489715-8
 Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 10 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **10**

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

Features

Product Type Features

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

Configuration Features

Mating & Unmating Configuration	Hot Pluggable
Number of Columns	10
Number of Positions	10
PCB Mount Orientation	Vertical
Number of Power Positions	10
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	48 VDC
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Contact Features

Contact Shape & Form	Tuning Fork
Contact Base Material	Brass
Contact Current Rating (Max)	16 A



Contact Retention Within Housing	With
Contact Type	Receptacle
PCB Contact Termination Area Plating Material	Nickel
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	1.27 μm [50 μin]
Contact Termination Area Plating Thickness	1.27 μm [50 μin]

Termination Features

Termination Post & Tail Length	4.45 mm[.175 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Guide Post, Keyed, Polarization
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Connector Mounting Type	Board Mount
Mating Retention	Without

Housing Features

Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	Thermoplastic
Cable Exit Angle	180°

Dimensions

Height	11.07 mm[.436 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Length	40.2 mm[1.58 in]
Width	17 mm[.669 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application



Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	No

Packaging Features

Packaging Method	Box & Tube, Tube
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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	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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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 # 1489127-8
HDR HSG 10 CONTS BLKHD CONN

Documents

Product Drawings

[RECPT ASSY MPD 10 POS STD PWR](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1489715-8_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1489715-8_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1489715-8_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English