



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **3**

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

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	3
Interface Type	2mm HM
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Signal Positions	1

### Electrical Characteristics

Operating Voltage	48 VDC
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### Contact Features

Contact Base Material	Copper Alloy
Contact Current Rating (Max)	10 A
Contact Retention Within Housing	With
Contact Type	Blade



PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Noble Metal
Contact Mating Area Plating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Contact Termination Area Plating Thickness	3.81 – 5.08 $\mu\text{m}$ [150 – 200 $\mu\text{in}$ ]

### Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	3 mm[.118 in]
Housing Color	Natural
Housing Material	LCP (Liquid Crystal Polymer)

### Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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### Usage Conditions

Operating Temperature Range	-55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$ ]
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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

### Packaging Features

Packaging Method	Box & Tube, Tube
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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
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	Not applicable for solder process capability

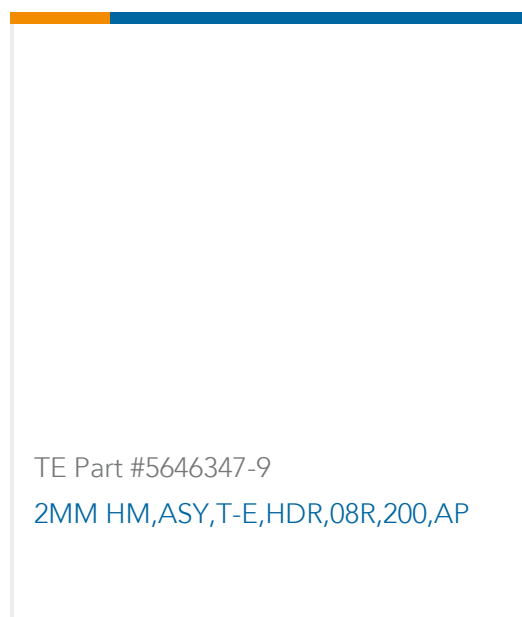
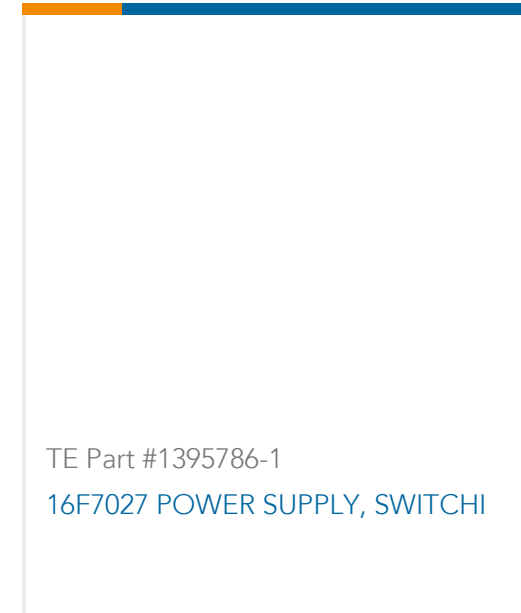
Product Compliance Disclaimer

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 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

 <p>TE Part # 5223955-2 TE UPM Ver Receptacle 3P STD Power</p>	 <p>TE Part # 2345386-1 UPM PWR MDL, GUIDE PIN LOCT PL, #8-32</p>	<p>TE Part # 2345386-2 UPM GUIDE PIN LOCT PL, #8-32 PASSIVATION</p>	<p>TE Part # 1-223950-2 MALE CONTACT, UPM, STAMPED</p>
<p>TE Part # 2345386-3 UPM GUIDE PIN LOCT PL, #8-32 MACHINE</p>	<p>TE Part # 292300-1 CONTACT, HEADER, UNIVERSAL POWER MODULE</p>	<p>TE Part # 292300-2 CONTACT, HEADER, UNIVERSAL POWER MODULE</p>	<p>TE Part # 292300-3 CONTACT, HEADER, UNIVERSAL POWER MODULE</p>
<p>TE Part # 292300-4 CONTACT, HEADER, UNIVERSAL POWER MODULE</p>	<p>TE Part # 292300-5 CONTACT, HEADER, UNIVERSAL POWER MODULE</p>	<p>TE Part # 292300-6 CONTACT, HEADER, UNIVERSAL POWER MODULE</p>	

## Customers Also Bought



## Documents

### Product Drawings

[TE UPM R/A Header 3P STD Power, LLL](#)

English

### CAD Files

[3D PDF](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_5223961-1\\_O.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_5223961-1\\_O.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_5223961-1\\_O.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[High Speed Backplane Connectors catalog - Z-PACK HM-Zd Connector](#)

English

[High Speed Backplane Connectors catalog - Z-PACK HS3 Connector](#)

English

[POWER\\_CONNECTORS\\_CATALOG\\_SEC01\\_BOARD\\_TO\\_BOARD](#)

English



[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

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**Product Specifications**

[Engineering Report](#)

English

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**Product Environmental Compliance**

[MD\\_5223961-1\\_062720182319\\_dmtec](#)

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