

**2314577-1**  ACTIVE

TE Internal #: 2314577-1

7 Position Backplane Power Connector, PCB Mount Header, Board-to-Board, Right Angle, Traditional Backplane, Printed Circuit Board

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Connectors &gt; Power Connectors &gt; Backplane Power Connectors

PCB Connector Type: **PCB Mount Header**Connector System: **Board-to-Board**Number of Positions: **7**PCB Mount Orientation: **Right Angle**Backplane Architecture: **Traditional Backplane**

## Features

### Product Type Features

Connector & Housing Type	Receptacle
PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Columns	7
Number of Signal Positions	0
Number of Power Positions	7
Number of Positions	7
PCB Mount Orientation	Right Angle
Backplane Architecture	Traditional Backplane
Stackable	No

### Electrical Characteristics

Operating Voltage	300 VDC
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### Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	1.27 $\mu\text{m}$ [5 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Thickness	.127 $\mu\text{m}$ [5 $\mu\text{in}$ ]

Contact Mating Area Plating Material	Gold over Nickel
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold
Contact Type	Socket
Contact Current Rating (Max)	75 A
<b>Termination Features</b>	
Termination Method to PCB	Through Hole - Press-Fit
<b>Mechanical Attachment</b>	
Mating Alignment Type	Guide Hardware
<b>Housing Features</b>	
Housing Color	Black
Housing Material	Thermoplastic
<b>Usage Conditions</b>	
Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]
<b>Operation/Application</b>	
Circuit Application	Power
<b>Industry Standards</b>	
UL Flammability Rating	UL 94V-0
<b>Product Compliance</b>	
For compliance documentation, visit the product page on <a href="http://TE.com">TE.com</a> >	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

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 # 2314581-1  
VERT RECPT, MULTI-BEAM XLE, VITA  
62

## Customers Also Bought



TE Part #5-146134-5  
12 MODII HDR DRST SFMNT B/A



TE Part #8-1879215-3  
CPF 0402 33K2 0.1% 25PPM 1K RL



TE Part #8-1879417-1  
CPF0603 845K 0.1% 25PPM 1K RL



TE Part #2000676-2  
Keyed Guide Pin, Machined, Vita 46



TE Part #2081362-1  
SMA, RECEPTACLE, 12.4GHZ, RIGHT  
ANGLE, PCB



TE Part #1-2176304-8  
RP 1E 0.1W 15R 0.1% 25PPM 5K RL



TE Part #5-2176304-8  
RP 1E 0.1W 39R2 0.1% 25PPM 5K RL



TE Part #5-2176304-9  
RP 1E 0.1W 40R2 0.1% 25PPM 5K RL



TE Part #2176313-1  
RP 0.1W 133K 0.1% 25PPM 1K RL



TE Part #3-2176328-7  
CRGP 1206 10K 1%

## Documents

### Product Drawings

#### R/A HEADER, MULTI-BEAM XLE, VITA 62

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2314577-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2314577-1\\_A.3d\\_jgs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2314577-1\\_A.3d\\_stp.zip](#)

English

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