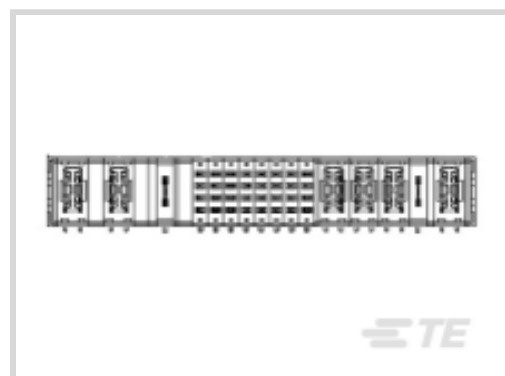


TE Internal #: 2309390-2

Backplane Power Connectors, PCB Mount Receptacle, Board-to-Board, 46 Position, Vertical, Traditional Backplane, Printed Circuit Board, Power & Signal

[View on TE.com >](#)


Connectors > Power Connectors > Backplane Power > Backplane Power Connectors



PCB Connector Assembly Type: **PCB Mount Receptacle**

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

Number of Positions: **46**

PCB Mount Orientation: **Vertical**

Backplane Architecture: **Traditional Backplane**

## Features

### Product Type Features

Housing Type	Receptacle
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Contact Type	Socket
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Power Positions	10
Number of Columns	10
Number of Signal Positions	36
Number of Positions	46
PCB Mount Orientation	Vertical
Backplane Architecture	Traditional Backplane
Stackable	No

### Electrical Characteristics

Operating Voltage	300 VDC
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### Contact Features

PCB Contact Termination Area Plating Material Thickness	.127 $\mu$ m[5 $\mu$ in]
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Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	75 A
Contact Mating Area Plating Material	Gold over Nickel
Contact Mating Area Plating Thickness	1.27 µm[50 µin] 5 µin

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment

Guide Hardware	Without
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### Housing Features

Housing Color	Black
Housing Material	Thermoplastic
UL Flammability Rating	UL 94V-0

### Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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### Operation/Application

Circuit Application	Power & Signal
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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: JUNE 2022 (224) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (13% in Component plated)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC

**Article Safe Usage Statements:**  
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Free

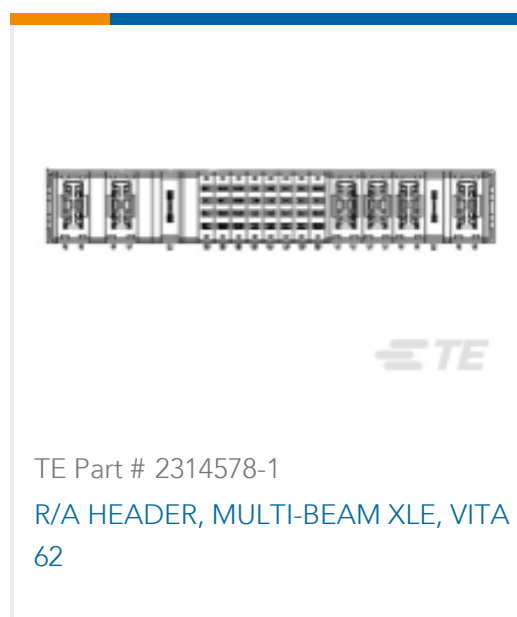
Solder Process Capability

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 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



## Documents

## Product Drawings

[VERT RECPT, MULTI-BEAM XLE, VITA 62](#)

English

## CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2309390-2\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2309390-2\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2309390-2\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Datasheets &amp; Catalog Pages



**SOSA Aligned Interconnect Solutions**

English

**Products for Aerospace and Defense**

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