

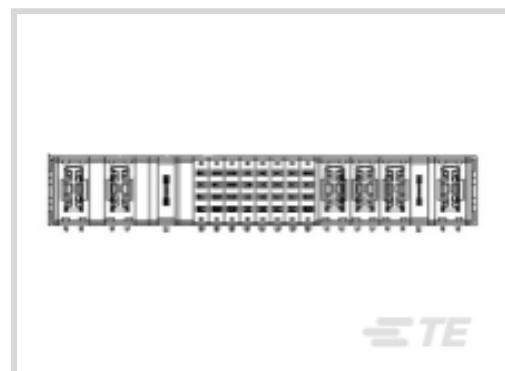
2314578-2  ACTIVE

TE Internal #: 2314578-2  
40 Position Backplane Power Connector, PCB Mount Header,  
Board-to-Board, Right Angle, Traditional Backplane, Printed Circuit  
Board

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Connectors > Power Connectors > Backplane Power Connectors



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **40**

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	8
Number of Power Positions	8
Number of Signal Positions	32
Number of Positions	40
PCB Mount Orientation	Right Angle
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 µm[5 µin]
Contact Mating Area Plating Material	Gold over Nickel
Contact Base Material	Copper Alloy

PCB Contact Termination Area Plating Material	Gold
Contact Type	Socket
Contact Mating Area Plating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Contact Current Rating (Max)	75 A

#### Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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#### Housing Features

Housing Color	Black
Housing Material	Thermoplastic

#### 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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#### Industry Standards

UL Flammability Rating	UL 94V-0
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#### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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	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: JAN 2025 (247) 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

#### 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

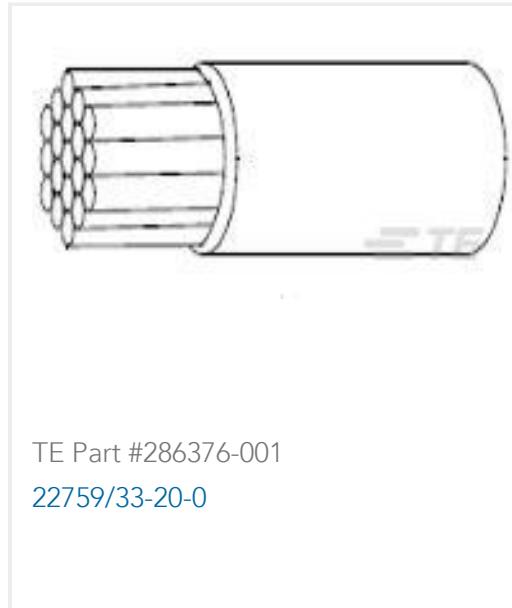
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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



TE Part # 2309390-1  
VERT RECPT, MULTI-BEAM XLE, VITA  
62

## Customers Also Bought



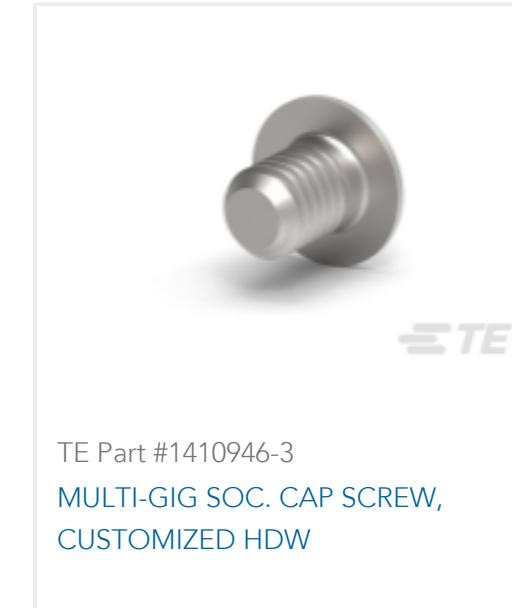
TE Part #286376-001  
22759/33-20-0



TE Part #NB16282001  
RW-175-1/2-X-STK



TE Part #2-34853-1  
TERM,PG, R, 12-10, #8, T&R



TE Part #1410946-3  
MULTI-GIG SOC. CAP SCREW,  
CUSTOMIZED HDW



TE Part #1-1469492-7  
MULTIGIG RT 9MM GUIDE/ESD 270  
DEG



TE Part #2000713-1  
RA Keyed Guide Mod, Vita 46,  
Machined



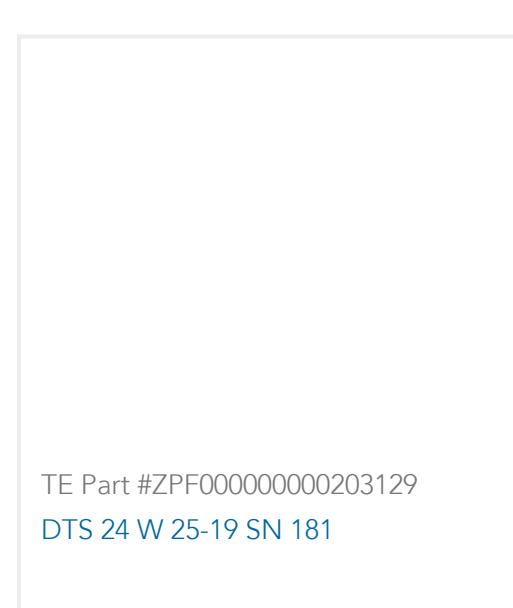
TE Part #2102772-1  
DC, 7Row, Half Left End, MULTIGIG  
RT 2R



TE Part #2302785-1  
RA PLUG ASSY,7ROW,CENTER,VPX,  
MG RT3



TE Part #6450863-5  
MBXLE VERT RCPT 7ACP



TE Part #ZPF000000000203129  
DTS 24 W 25-19 SN 181

## 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\\_2314578-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2314578-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2314578-2\\_A.3d\\_stp.zip](#)

English

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