

2302790-1

✓ ACTIVE

MULTIGIG RT | MULTIGIG RT 3

TE Internal #: 2302790-1

144 Position High Speed Backplane Connector, 9 Row, 16 Column,  
 PCB Mount Receptacle, Vertical, Unshrouded, 1.8 mm [.071 in]  
 Centerline, MULTIGIG RT 3

[View on TE.com >](#)

Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: **144**

Row-to-Row Spacing: **1.8 mm [.071 in]**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Number of Rows: **9**

## Features

### Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Compatible with PCB Type	Backplane
Connector System	Board-to-Board
PCB Connector Type	PCB Mount Receptacle
Shroud Style	Unshrouded

### Configuration Features

Backplane Architecture	Traditional Backplane
Card Slot Centerline	20.3 mm [.8 in]
Number of Positions	144
Number of Rows	9
Number of Columns	16
PCB Mount Orientation	Vertical
Guide Location	Unguided

### Signal Characteristics

Number of Differential Pairs per Column	2
Differential Impedance	100 Ω

### Contact Features

Contact Current Rating (Max)

1 A

**Termination Features**

Termination Method to PCB

Through Hole - Press-Fit

**Mechanical Attachment**

Mating Alignment

With

Mating Alignment Type

Keyed

Connector Mounting Type

Board Mount

**Housing Features**

Housing Material

LCP GF

Number of Shrouded Sides

0

Centerline (Pitch)

1.8 mm [.071 in]

**Dimensions**

Row-to-Row Spacing

1.8 mm [.071 in]

**Usage Conditions**

Operating Temperature Range

-55 – 105 °C [-67 – 221 °F]

**Operation/Application**

Circuit Application

Power &amp; Signal

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://TE.com)>

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016

有害物质含量超出标准 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)  
 SVHC > Threshold:  
 Pb (13% in 4690948374)

**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.

Halogen Content

Low Halogen - Br, Cl, F &lt; 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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



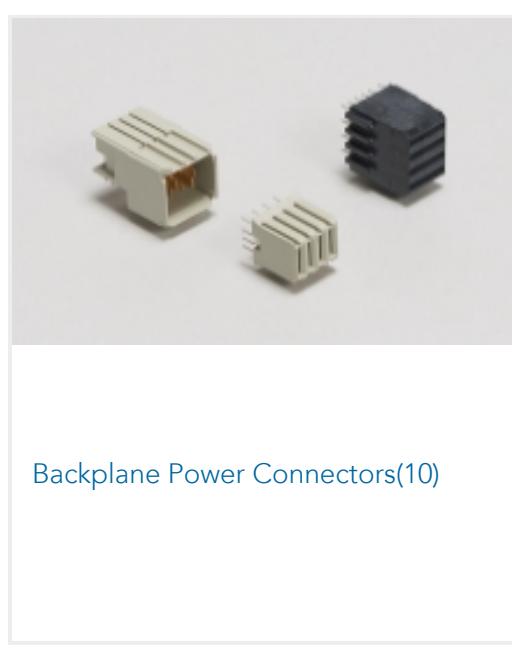
TE Part # 2000713-1  
RA Keyed Guide Mod, Vita 46,  
Machined



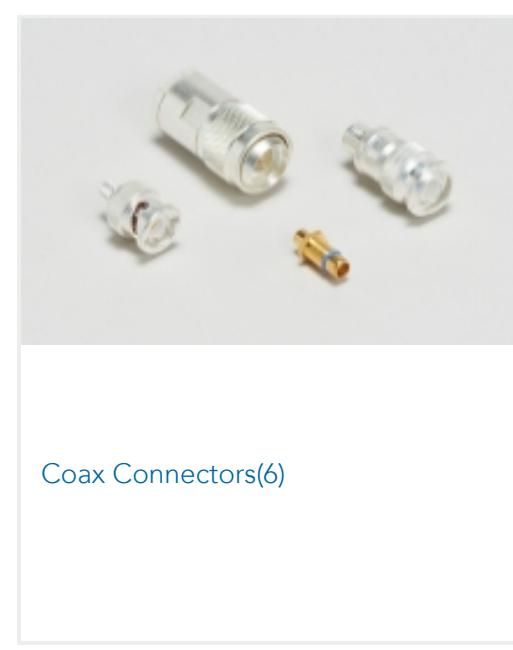
TE Part # 2000676-1  
Keyed Guide Pin, Machined, Vita 46



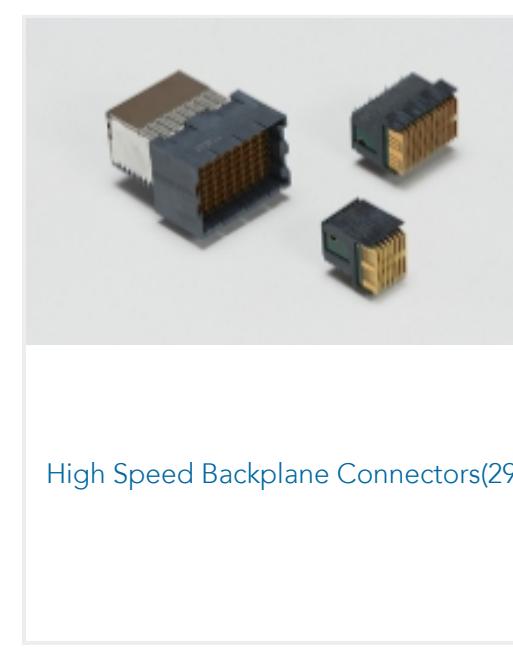
TE Part # 2302785-1  
RA PLUG ASSY,7ROW,CENTER,VPX,  
MG RT3

Also in the Series | **MULTIGIG RT 3**

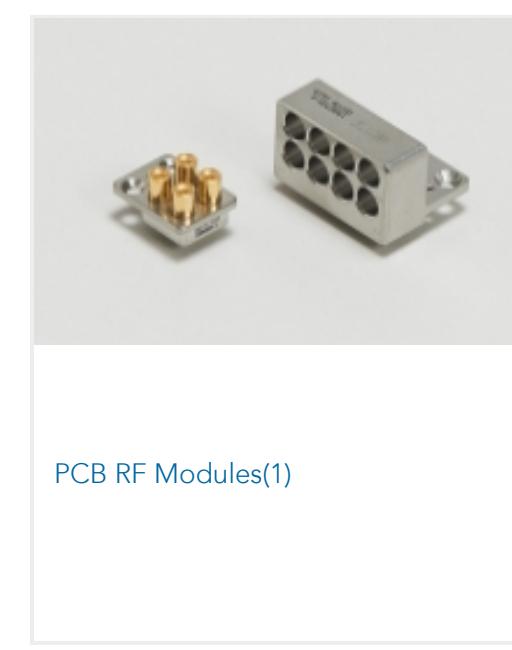
Backplane Power Connectors(10)



Coax Connectors(6)



High Speed Backplane Connectors(29)



PCB RF Modules(1)

## Customers Also Bought



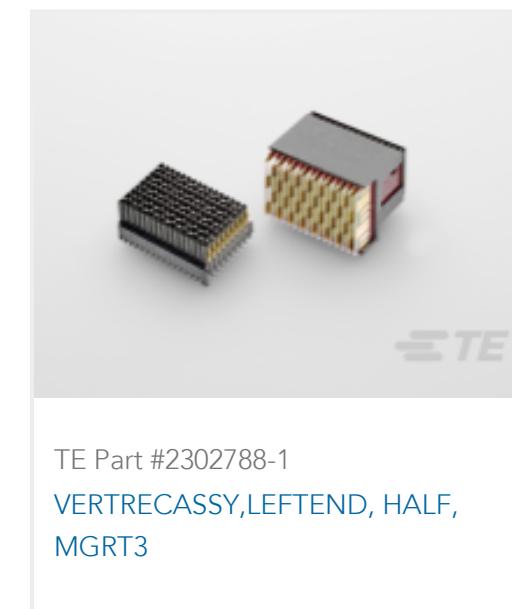
TE Part #2102735-1  
BP, Half Left End, MULTIGIG RT 2R



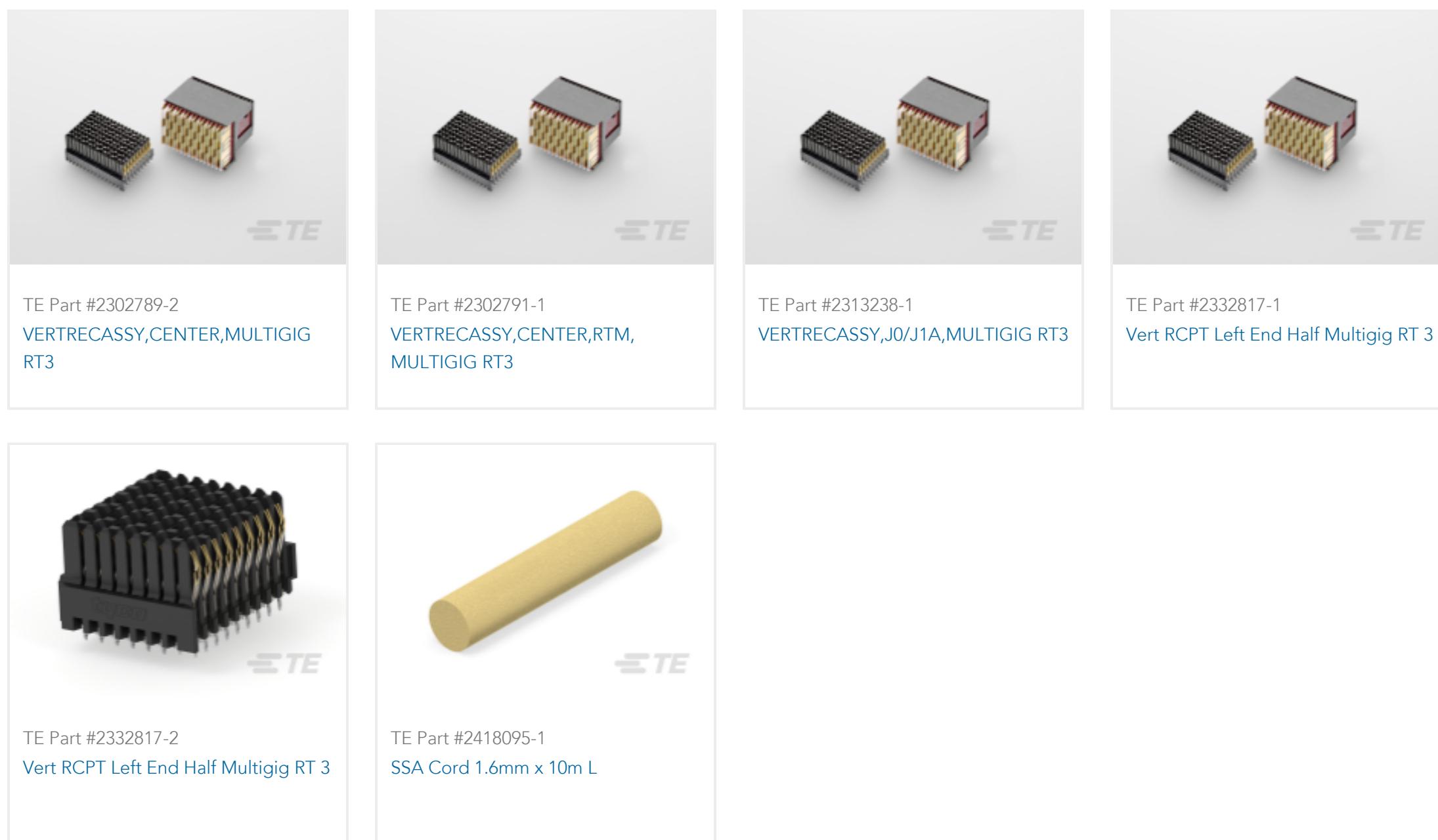
TE Part #6-2176307-8  
RP 1E 0.1W 61K9 0.1% 25PPM 5K RL



TE Part #5-2176363-7  
RQ 0402 1K65 0.1% 10PPM 5K RL



TE Part #2302788-1  
VERTRECASSY,LEFTEND, HALF,  
MGRT3



## Documents

### Product Drawings

[VERTRECASSY,RIGHTEND,MULTIGIG RT3](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2302790-1\\_3.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2302790-1\\_3.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2302790-1\\_3.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[MULTIGIG RT 3 and RT 2-S Connectors](#)

English

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### Product Specifications

[Application Specification](#)

English

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