

IMPACT

TE Internal #: 2057419-3

High Speed Backplane Connectors, 60 Position, Mating Alignment, Guide Pin Mating Alignment Type, 6 Row, 10 Column, PCB Mount Header, Vertical, IMPACT

[View on TE.com >](#)[Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors](#)Number of Positions: **60**Row-to-Row Spacing: **1.35 mm [.053 in]**Mating Alignment: **With**Mating Alignment Type: **Guide Pin**Number of Rows: **6****Features****Product Type Features**

Signal Arrangement	Differential
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header
Shroud Style	Partially Shrouded

Configuration Features

Number of Ground Positions	20
Number of Pairs	20
Stackable	No
Number of Signal Positions	40
Number of Positions	60
Number of Rows	6
Number of Columns	10
PCB Mount Orientation	Vertical

Guide Location

Left

Electrical Characteristics

Impedance

100 Ω

Operating Voltage

30 VAC

Signal Characteristics

Number of Differential Pairs per Column

2

Data Rate

20 - 25 Gb/s

Body Features

Primary Product Color

Black

Contact Features

Contact Mating Area Length

5.5 mm[.217 in]

PCB Contact Termination Area Plating Material Thickness

.76 - 1.52 µm[30 - 60 µin]

Contact Layout

Inline

Contact Type

Pin

Contact Underplating Material Thickness

1.27 µm[50 µin]

Contact Mating Area Plating Material Thickness

.76 µm[29.92 µin]

Contact Mating Area Plating Material

Gold

PCB Contact Termination Area Plating Material Finish

Matte

Contact Shape & Form

Dual Beam

Contact Underplating Material

Nickel

PCB Contact Termination Area Plating Material

Tin

Contact Base Material

Copper Alloy

Contact Current Rating (Max)

.75 A

Termination Features

Termination Post & Tail Length

1.4 mm[.055 in]

Termination Method to Printed Circuit Board

Through Hole - Press-Fit

Mechanical Attachment

Guide Hardware

With

Mating Retention

Without

PCB Mount Retention

With

PCB Mount Retention Type

Action/Compliant Tail & Screw

Mating Alignment

With

Mating Alignment Type

Guide Pin

Connector Mounting Type

Board Mount

Housing Features

Number of Shrouded Sides

2

End Wall Location

Open

Housing Material

LCP - GF (Liquid Crystal Polymer)

Centerline (Pitch)

1.9 mm[.075 in]

Dimensions

Connector Length

25.5 mm[1.004 in]

Connector Height

20.6 mm[.811 in]

Connector Width

12.7 mm[.5 in]

PCB Thickness (Recommended)

1 mm

PCB Hole Diameter

.39 mm[.015 in]

Row-to-Row Spacing

1.35 mm[.053 in]

Usage Conditions

Operating Temperature Range

-55 - 85 °C[-67 - 185 °F]

Operation/Application

Circuit Application

Signal

Industry Standards

Compatible With Approved Standards Products

CSA Certified, UL E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Method

Box & Tube, Tube

Product ComplianceFor compliance documentation, visit the product page on 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: JAN 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per
homogenous material. Also BFR/CFR/PVC
Free

Solder Process Capability

Not reviewed for solder process capability

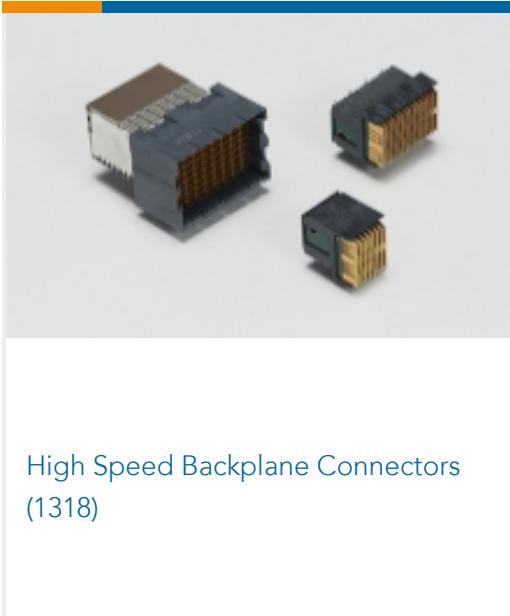
Product Compliance Disclaimer

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

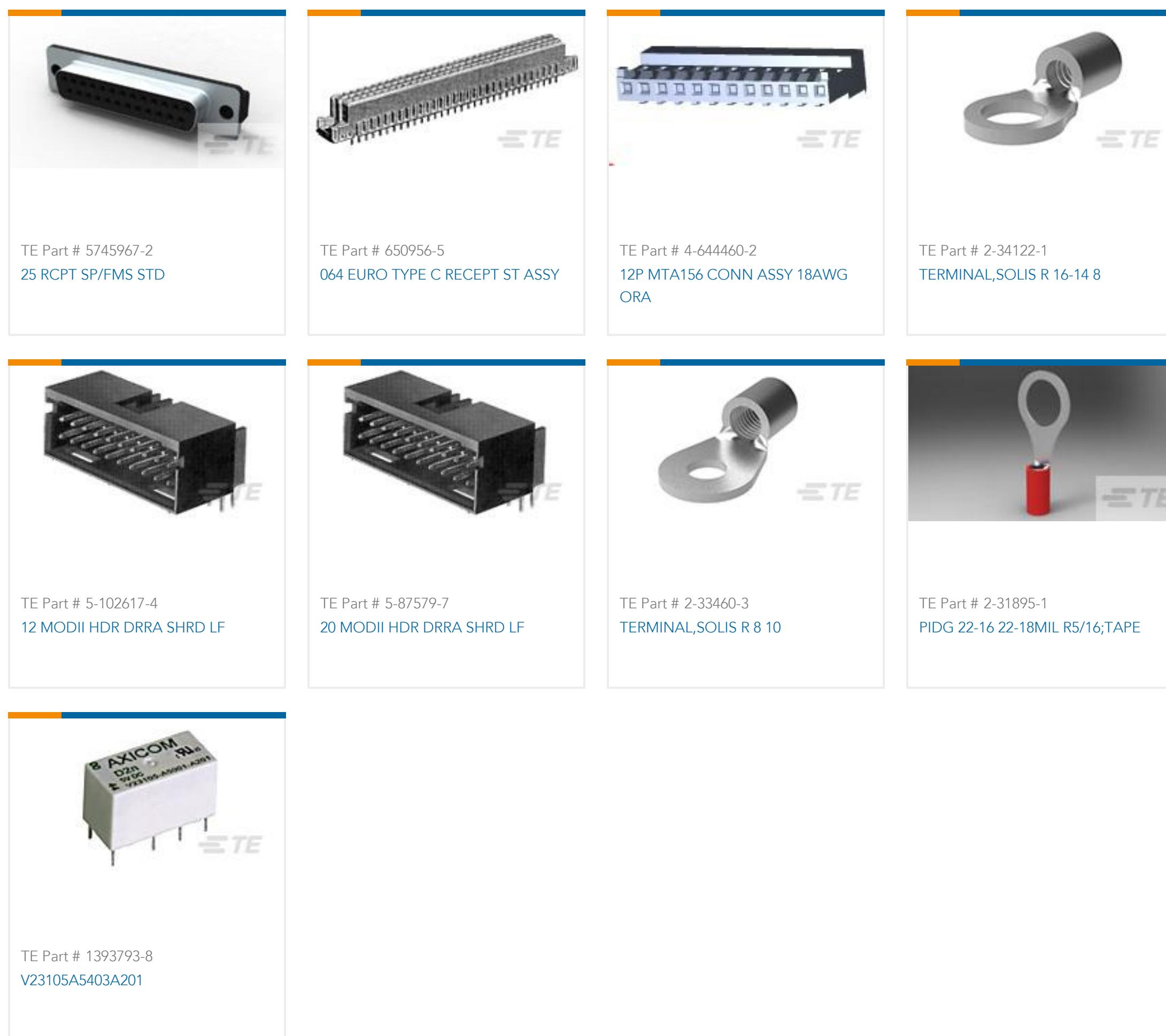


TE Part # 2057405-1
IMP100S,R,RA2P10C,UG,39

Also in the Series | [IMPACT](#)

High Speed Backplane Connectors
(1318)

Customers Also Bought



Documents

Product Drawings

[IMP100S,H,V2P10C,LG,OEW39,5.5](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2057419-3_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2057419-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2057419-3_A.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

[Agency Approvals](#)

[Agency Approval Document](#)

English