



+ CONNECTORS

HIGH SPEED CONNECTORS



✓ Active

TE CONNECTIVITY (TE)  
**IMP100O,HMP,V4P8C,RG,LEW39,5.5**  
[IMPACT](#) | [IMPACT](#)

2132612-2  
TE Internal Number: 2132612-2

- [EU RoHS Compliant](#)
- [EU ELV Compliant](#)
- Connector System** Board-to-Board
- Number of Positions** 96
- Row-to-Row Spacing (mm)** 1.15
- Mating Alignment** With
- Mating Alignment Type** Guide Pin

↓ **PRODUCT DRAWING**  
English

DOCUMENTATION

Product Drawings

**IMPACT, ORTHOGONAL, 4 PAIR, 8 COLUMN HEADER, RIGHT GUIDED, LEFT END WALL**  
PDF  
**English**

Product Specifications

Application Specification

**Impact 100-Ohm Standard Connector System**  
PDF  
**English**  
Product Specification

**IMPACT 100 Ohm Interconnect Systems**  
PDF  
**English**



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

Product Type Features

- Connector System** Board-to-Board
- Row-to-Row Spacing (mm)** 1.15
- PCB Mounting Orientation** Vertical
- Shrouded** Fully Shrouded
- Connector & Contact Terminates To** Printed Circuit Board
- Connector Type** Connector Assembly, Header
- Product Type** Connector
- Make First / Break Last** No

Configuration Features

- Stackable** No
- Number of Pairs** 32
- Number of Positions** 96
- Number of Rows** 12
- Number of Columns** 8
- Board-to-Board Configuration** Orthogonal, Vertical
- Guide Location** Right
- Tail Orientation** Inline
- Number of Signal Positions** 64
- Number of Ground Positions** 32

Electrical Characteristics

- Impedance (Ω)** 100
- Operating Voltage (VDC)** 30
- Operating Voltage (VAC)** 30

Signal Characteristics

- Data Rate (Gb/s)** 20 – 25
- Differential Pairs per Column** 4
- Differential Signaling** Yes

Contact Features

**Underplate Material** Nickel  
**Contact Length** 5.5 mm [ .217 in ]  
**Contact Current Rating (Max) (A)** .75  
**Contact Termination Area Plating Thickness** .76 – 1.52 µm [ 29.92 – 59.84 µin ]  
**Contact Mating Area Plating Thickness** .76 µm [ 29.92 µin ]  
**Contact Termination Area Plating Material** Tin  
**Contact Design** Dual Beam  
**Contact Mating Area Plating Material** Gold  
**Contact Termination Area Plating Material Finish** Matte  
**Contact Style** Press-Fit  
**Contact Base Material** Copper-Nickel-Silicon  
**Contact Transmits (Typical)** Signal (Data)  
**Underplate Material Thickness** 1.27 µm [ 50 µin ]  
**Contact Type** Pin

Termination Features

**Termination Method to PC Board** Through Hole - Press-Fit

Mechanical Attachment

**Guide Hardware** Yes  
**PCB Mount Alignment Type** Locating Posts  
**Mating Alignment** With  
**Mating Alignment Type** Guide Pin  
**Mating Retention** Without  
**PCB Mount Retention Type** Action/Compliant Tail & Screws  
**PCB Mount Retention** With

Housing Features

**Centerline (Pitch)** 1.9 mm [ .075 in ]  
**End Wall Location** Left  
**Housing Color** Black  
**Housing Material** LCP (Liquid Crystal Polymer)

Dimensions

**PCB Hole Diameter** .39 mm [ .015 in ]  
**Length** 24.3 mm [ .957 in ]  
**Tail Length** 1.4 mm [ .055 in ]  
**Width** 20.8 mm [ .819 in ]  
**PCB Thickness (Recommended) (mm)** 3  
**Height** 11.95 mm [ .47 in ]

Usage Conditions

**Operating Temperature Range** -55 – 85 °C [ -67 – 185 °F ]

Operation/Application

**For Use With** Orthogonal Receptacle Assembly

Industry Standards

**CSA Certified** Yes  
**UL Rating** Recognized  
**UL File Number** E28476  
**UL Flammability Rating** UL 94V-0

Packaging Features

**Packaging Method** Box & Tube, Tube

**PRODUCT COMPLIANCE**



Statement of Compliance

**Statement of Compliance**  
PDF