



+ CONNECTORS

HIGH SPEED CONNECTORS



✓ Active

TE CONNECTIVITY (TE)
IMP100S,H,V6P16C,LG,REW39,4.9
[IMPACT](#) | [IMPACT](#)

2007891-2
TE Internal Number: 2007891-2

- [EU RoHS Compliant](#)
- [EU ELV Compliant](#)
- Connector System** Board-to-Board
- Number of Positions** 288
- Row-to-Row Spacing (mm)** 1.35
- Mating Alignment** With
- Mating Alignment Type** Keyed

[↓](#) **PRODUCT DRAWING**
English

[↓](#) **3D PDF**

DOCUMENTATION

Product Drawings

IMPACT, 6 PAIR, 16 COLUMN, HEADER LEFT GUIDED, RIGHT END WALL SIGNAL MODULE, 0.3
PDF
English

CAD Files

3D PDF
PDF
3D

Customer View Model
2D_DXF.ZIP
English

Customer View Model

3D_IGS.ZIP

English

Customer View Model

3D_STP.ZIP

English

Product Specifications

Application Specification

Impact 100-Ohm Standard Connector System

PDF

English

Product Specification

IMPACT 100 Ohm Interconnect Systems

PDF

English

Product Environmental Compliance

TE Material Declaration

MD_2007891-2_10062015854_dmtec

PDF

English

FEATURES



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) 1.35
- Connector Style Plug
- PCB Mounting Orientation Vertical
- Shrouded Fully Shrouded
- Connector & Contact Terminates To Printed Circuit Board
- Connector Type Header
- Product Type Connector
- Make First / Break Last No

Configuration Features

- Stackable No
- Number of Pairs 96
- Number of Positions 288
- Number of Rows 18
- Number of Columns 16
- Board-to-Board Configuration Right Angle, Vertical
- Guide Location Left
- Tail Orientation Inline
- Number of Signal Positions 192
- Number of Ground Positions 96

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 6
Differential Signaling Yes

Contact Features

Underplate Material Nickel
Contact Length 4.9 mm [.193 in]
Contact Current Rating (Max) (A) .75
Contact Termination Area Plating Thickness .76 – 1.52 μm [29.921 – 59.842 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 Alloy
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 With
Mating Alignment With
Mating Alignment Type Keyed
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 Right
Housing Color Black
Housing Material LCP - GF (Liquid Crystal Polymer)

Dimensions

PCB Hole Diameter .39 mm [.015 in]
Length 38.3 mm [1.508 in]
Tail Length 1.4 mm [.055 in]
Width 28.9 mm [1.138 in]
PCB Thickness (Recommended) (mm) 1
Height 28.6 mm [1.126 in]

Usage Conditions

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

Operation/Application

For Use With 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