



+ CONNECTORS

HIGH SPEED CONNECTORS



✓ Active

TE CONNECTIVITY (TE)
IMP100S,H,V6P10C,UG,DEW46,5.5
[IMPACT](#) | [IMPACT](#)

2007882-3
TE Internal Number: 2007882-3

[EU RoHS Compliant](#)
[EU ELV Compliant](#)

Connector System Board-to-Board
Number of Positions 180
Row-to-Row Spacing (mm) 1.35
Mating Alignment With
Mating Alignment Type Polarization

[↓](#) **PRODUCT DRAWING**
English

[↓](#) **3D PDF**

DOCUMENTATION

Product Drawings

IMPACT, 6 PAIR, 10 COLUMN, HEADER UNGUIDED, DUAL END WALL SIGNAL MODULE, 0.46 PT
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_2007882-3_10092013459_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 60
- Number of Positions 180
- Number of Rows 18
- Number of Columns 10
- Board-to-Board Configuration Right Angle, Vertical
- Guide Location Unguided
- Tail Orientation Inline
- Number of Signal Positions 120
- Number of Ground Positions 60

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 5.5 mm [.217 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 Without
Mating Alignment With
Mating Alignment Type Polarization
Mating Retention Without
PCB Mount Retention Type Action/Compliant Tail
PCB Mount Retention With

Housing Features

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

Dimensions

PCB Hole Diameter .46 mm [.018 in]
Length 21.7 mm [.854 in]
Tail Length 1.4 mm [.055 in]
Width 28.9 mm [1.138 in]
PCB Thickness (Recommended) (mm) 1
Height 11.95 mm [.47 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, Package

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance
PDF