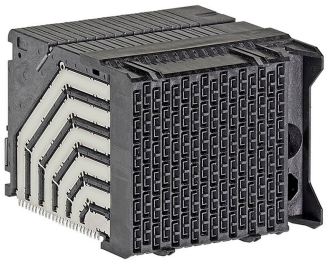
Part Number : 1714005038
Product Description : Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.36mm
Series Number : 171400
Status : Active
Product Category : Backplane Connectors



Documents & Resources

Drawings

Drawing 1714005038_sd.pdf
Packaging Design Drawing PK-78888-088-001.pdf

3D Models and Design Files

3D Model 1714005038_stp.zip
Electrical Model Document 1714002001A-000.pdf
Electrical Model Document 1714002002-000.pdf
S-Parameter Model 1714002001-SP-000.zip
S-Parameter Model 1714002002-000.zip
Symbol Footprint Data SYM-171400-5038-001.zip

Specifications

Application Specification AS-171320-990-001.pdf
Application Specification AS-171320-991-001.pdf
Application Specification AS-171320-992-001.pdf
Product Specification PS-171320-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Backplane Connectors
Series	171400
Description	Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.36mm
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Family	Impel and Impel Plus Backplane Solutions
Product Name	Impel
UPC	887191700090

Agency

UL	E29179

Electrical

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	90Ω
Shield Type	Full Shield
Voltage - Maximum	29.9V AC (RMS)/DC

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	49.344/g
Number of Columns	8
Number of Pairs	6
Number of Rows	12
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	1.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-55° to +85°C

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm	1713955808

This document was generated on Sep 18, 2024