



Part Number : [1301490036](#)
Product Description : Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Dual Endwalls, 10 Columns, 80 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm
Series Number : 171315
Status : Active
Product Category : Backplane Connectors



Documents & Resources

Drawings
[1713151128_sd.pdf](#)
[PK-78888-084-001.pdf](#)

3D Models and Design Files
[1713151128_stp.zip](#)
[1713201218-000.pdf](#)
[2040661118-000.pdf](#)
[1713201218-000.zip](#)
[2040661118-000.zip](#)
[SYM-171315-1128-001.zip](#)

Specifications
[1713209994-AS-000.pdf](#)
[AS-171320-990-001.pdf](#)
[AS-171320-991-001.pdf](#)
[AS-171320-992-001.pdf](#)
[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)7663-DC (21 Jan 2025)
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	171315
Description	Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Dual Endwalls, 10 Columns, 80 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm
Application	Backplane
Component Type	PCB Header
Product Name	Impel
UPC	889056356695

Agency

CSA	152514
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)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
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	6.697/g
Number of Columns	10
Number of Pairs	4
Number of Rows	8
Orientation	Vertical
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
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Mates With / Use With

Mates with Part(s)

Description	Part Number
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Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 10 Columns, 80 Circuits, Plated Through Hole Dimension 0.36mm	<u>1713201020</u>
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