



Part Number : [1713201038](#)
Product Description : Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 64 Circuits, Plated Through Hole Dimension 0.36mm
Series Number : 171320
Status : Active
Product Category : Backplane Connectors



Documents & Resources

Drawings

[Drawing 1713201038_sd.pdf](#)
[Packaging Design Drawing PK-78888-085-001.pdf](#)

3D Models and Design Files

[3D Model 1713201038_stp.zip](#)
[Electrical Model Document 1713201218-000.pdf](#)
[Electrical Model Document 1713202061REVA-000.pdf](#)
[S-Parameter Model 1713201218-000.zip](#)
[S-Parameter Model 1713202061-000.zip](#)
[Symbol Footprint Data SYM-171320-1038-001.zip](#)

Specifications

[Application Specification 1713209994-AS-000.pdf](#)
[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](#)

Tooling Specifications

[Application Tooling Specification 622018959-000.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	171320
Description	Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 64 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	887191302539

Agency

UL	E29179
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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)	64
Circuits (maximum)	64
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	18.709/g
Number of Columns	8
Number of Pairs	4
Number of Rows	8
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
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 64 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.46mm	<u>1713151804</u>
Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 64 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm	<u>1713151805</u>
Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 64 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm	<u>1713151807</u>
Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 8 Columns, 64 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm	<u>1713151808</u>
Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Left Endwall, 8 Columns, 64 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm	<u>1713151817</u>
Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Dual Endwalls, 8 Columns, 64 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm	<u>1713151828</u>
Impel 90 Ohm, 4 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Right Endwall, 8 Columns, 64 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm	<u>1713151837</u>