



Part Number : [1713203038](#)

Product Description : Impel 90 Ohm, 4 Pair Right-Angle Daughtercard, 1.90mm Pitch, Left Guided, 8 Columns, 64 Circuits, Plated Through Hole Dimension 0.36mm

Series Number : 171320

Status : Active

Product Category : Backplane Connectors

Documents & Resources

Drawings

[Drawing 1713203038_sd.pdf](#)

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

3D Models and Design Files

[3D Model 1713203038_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-171320-3038-001.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](#)

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(2023)3788-DC (14 Jun 2023)
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, Left Guided, 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	887191646879

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	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	23.929/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
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Impel 90 Ohm, 4 Pair Vertical
Backplane Header, 1.90mm Pitch,
Left Guided, 8 Columns, 64 Circuits,
Pin Length 5.50mm, Plated
Through Hole Dimension 0.36mm

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