



Part Number : 1732101122

Series Number : 173210

Product Category : Backplane Connectors

Product Description : Impel Plus 90 Ohm, 6-Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 12 Columns, 144 Circuits, Plated Through Hole Dimension 0.31mm

Status : Active

Documents & Resources

Drawings

Drawing 1732101122\_sd.pdf

Packaging Design Drawing 1732100002-PK-PK.pdf

3D Models and Design Files

3D Model 1732101122\_stp.zip

Electrical Model Document 1732101118-000.pdf

Electrical Model Document 1732101117-000.pdf

S-Parameter Model 1732101118-000.zip

S-Parameter Model 1732101117-000.zip

Specifications


Application Specification 1727309992-AS-000.pdf

Application Specification AS-172730-990-001.pdf

Product Specification 1727409990-000.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(2023)8585-DC (23 Jan 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

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### Part Details

#### General

Status	Active
Category	Backplane Connectors
Series	173210
Description	Impel Plus 90 Ohm, 6-Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 12 Columns, 144 Circuits, Plated Through Hole Dimension 0.31mm
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Family	Impel and Impel Plus Backplane Solutions
Product Name	Impel Plus
UPC	193264582303

#### Agency

UL	E29179
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#### Electrical

Current - Maximum per Contact	0.75A
Data Rate	56.0 Gbps
Impedance	90Ω
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	29.9V AC (RMS)/DC

#### Physical

Circuits (Loaded)	144
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Circuits (maximum)	144
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	51.428/g
Number of Columns	12
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
Termination Interface Style	Through Hole - Compliant Pin

#### 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, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 12 Columns, 144 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm	<u>1713951207</u>
Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 12 Columns, 144 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm	<u>1713951208</u>