Part Number : 1714005026
Product Description : Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 16 Columns, 192 Circuits, Plated Through Hole Dimension 0.36mm
Series Number : 171400
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

1714005026_sd.pdf

PK-78888-088-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-171400-5026-001.zip

1714002001A-000.pdf

1714002002-000.pdf

1714002001-SP-000.zip

1714002002-000.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

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China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)6375-DC (05 Nov 2025) SCIP:e26ed824-ff27-460b-82c9-2fc97ea22ab7
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Backplane Connectors
Series	171400
Description	Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 16 Columns, 192 Circuits, Plated Through Hole Dimension 0.36mm
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Name	Impel
UPC	887191118321

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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)	192
Circuits (maximum)	192
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	81.738/g
Number of Columns	16
Number of Pairs	6
Number of Rows	12
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.30mm
Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm

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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 Endwall, 16 Columns, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm	1713955605
Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.46mm	1713955607
Impel 90 Ohm, 6 Pair Vertical Backplane Header, 1.90mm Pitch, Right-Guided, Open Endwalls, 16 Columns, 192 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.36mm	1713955608

Application Tooling

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