Part Number : 1714005020
Product Description : Impel 90 Ohm, 6 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.36mm
Series Number : 171400
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

1714005020_sd.pdf

PK-78888-088-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-171400-5020-001.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

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)7771-DC (04 Feb 2026)
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, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.36mm
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Name	Impel
UPC	887191118314

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)	120
Circuits (maximum)	120
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	55.128/g
Number of Columns	10
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
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 Endwalls, 10 Columns, 120 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm	1713955107

Application Tooling