Part Number : 1720055107
Product Description : Impel 90 Ohm 5 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, 10 Columns, 100 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm
Series Number : 172005
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

1720055107_sd.pdf

PK-78888-306-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-172005-5107-001.zip

SYM-172005-5604-001.zip

SYM-172005-5605-001.zip

SYM-172005-5607-001.zip

SYM-172005-5608-001.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)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	172005
Description	Impel 90 Ohm 5 Pair Vertical Backplane Header, 1.90mm Pitch, Right Guided, 10 Columns, 100 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm
Application	Backplane
Component Type	PCB Header
Product Name	Impel
UPC	887191548623

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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)	100
Circuits (maximum)	100
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	8.960/g
Number of Columns	10
Number of Pairs	5
Number of Rows	10
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
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

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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 5 Pair Right-Angle Daughtercard, 1.90mm Pitch, Right Guided, 10 Columns, 100 Circuits, Plated Through Hole Dimension 0.36mm	1720105020

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