



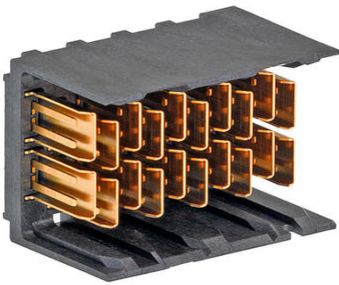
Part Number : [1717451107](#)

Product Description : Impel 90 Ohm, 2 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 40 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm

Series Number : 171745

Status : Active

Product Category : Backplane Connectors



Documents & Resources

Drawings

[1717451107 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-171745-1107-001.zip](#)

[1717501117-000.pdf](#)

[1717501117-000.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)4165-DC (25 June 2025)
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	171745
Description	Impel 90 Ohm, 2 Pair Vertical Backplane Header, 1.90mm Pitch, Unguided, Open Endwalls, 10 Columns, 40 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm
Application	Backplane
Component Type	PCB Header
Product Name	Impel
UPC	889056145251

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)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
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	3.231/g
Number of Columns	10
Number of Pairs	2
Number of Rows	4
Orientation	Vertical
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
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Impel 90 Ohm 2 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 10 Columns, 40 Circuits, Plated Through Hole Dimension 0.36mm	<u>1717501020</u>

Application Tooling