

Part Number : 1717409288
Product Description : Impel 90 Ohm 6 Pair Orthogonal Direct Right-Angle Header, with Dust Cover, 2.35mm Pitch, Unguided, 12 Columns, 144 Circuits, 5.50mm Pin Length, 4.40mm Max Board Thickness
Series Number : 171740
Status : Active
Product Category : Backplane Connectors

Documents and Resources

Drawings

1717409288_sd.pdf

PK-78888-309-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

1715003218-000.pdf

1715003218-000.zip

Specifications

1713209994-AS-000.pdf

AS-171320-991-001.pdf

AS-171320-992-001.pdf

AS-171500-990-001.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

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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	171740
Description	Impel 90 Ohm 6 Pair Orthogonal Direct Right-Angle Header, with Dust Cover, 2.35mm Pitch, Unguided, 12 Columns, 144 Circuits, 5.50mm Pin Length, 4.40mm Max Board Thickness
Application	Orthogonal Direct
Component Type	PCB Header
Product Name	Impel
UPC	889056743877

Agency

CSA	LR19980
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)	144
Circuits (maximum)	144
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	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	72.760/g
Number of Columns	12
Number of Pairs	6
Number of Rows	12
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	3.00mm
PC Tail Length	1.30mm
Pitch - Mating Interface	2.35mm
Pitch - Termination Interface	2.35mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-55° to +85°C

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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 Right-Angle Orthogonal Daughtercard, 2.35mm Pitch, Unguided, 12 Columns, 144 Circuits	1715001022

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