



**Part Number :** [1735209003](#)

**Product Description :** Impulse 90 Ohm 8-Pair 270° Orthogonal Header, 2.00mm Pitch, Unguided, 8 Columns, 64 Differential Pair

**Series Number :** 173520

**Status :** Active

**Product Category :** Backplane Connectors

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## Documents and Resources

### Drawings

[1735209003\\_sd.pdf](#)

[2002141201-000.pdf](#)

[3006418034-000.pdf](#)

[1736101000-PK.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[2002141201-000.zip](#)

[3006418034-000.zip](#)

### Specifications

[1735109996-AS-000.pdf](#)

[1735109997-AS-000.pdf](#)

[1735109998-AS-000.pdf](#)

[1735109999-AS-000.pdf](#)

[1735109000-PS-000.pdf](#)

### Tooling Specifications


[2002141201-000.pdf](#)

[3006418034-000.pdf](#)

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## 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)6375-DC (05 Nov 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

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## Part Details

### General

Status	Active
Category	Backplane Connectors
Series	173520
Description	Impulse 90 Ohm 8-Pair 270° Orthogonal Header, 2.00mm Pitch, Unguided, 8 Columns, 64 Differential Pair
Application	Orthogonal Direct
Component Type	PCB Header
Product Name	Impulse
UPC	195842023666

## Agency

UL	E29179
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## Electrical

Current - Maximum per Contact	0.75A
Data Rate	112 Gbps (PAM-4)
Impedance	90Ω
Shielded	Yes
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)/DC

## Physical

Circuits (Loaded)	128
Circuits (maximum)	128
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 Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	63.225/g
Number of Columns	8
Number of Pairs	8
Number of Rows	16
Orientation	Right Angle (270°)
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.30mm
Pitch - Mating Interface	2.00mm

Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole - Compliant Pin

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Impulse 90 Ohm 4-Pair Orthogonal Daughtercard, 2.00mm Pitch, Unguided, 16 Columns, 64 Differential Pair	<u>1735407016</u>

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