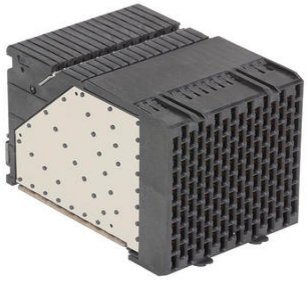
Part Number : 1735051016
Product Description : Impulse 90 Ohm 8-Pair Orthogonal Daughtercard, 2.00mm Pitch, Unguided, 16 Columns, 128 Differential Pair
Series Number : 173505
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

1735051016_sd.pdf

2002140010-000.pdf

3006410017-000.pdf

1735052000-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

2002140010-000.zip

3006410017-000.zip

Specifications

1735109996-AS-000.pdf

1735109997-AS-000.pdf

1735109998-AS-000.pdf

1735109999-AS-000.pdf

1735109000-PS-000.pdf

Tooling Specifications

ATS-2002140010-001.pdf

3006410017-000.pdf

Product Environment Compliance

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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) SCIP:e307ab8b-779d-40c1-a498-9ac45eef8f61
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	173505
Description	Impulse 90 Ohm 8-Pair Orthogonal Daughtercard, 2.00mm Pitch, Unguided, 16 Columns, 128 Differential Pair
Application	Daughtercard
Component Type	PCB Receptacle
Product Name	Impulse

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UPC	193264349173

Agency

UL	E29179

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)	256
Circuits (maximum)	256
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	95.994/g
Number of Columns	16
Number of Pairs	8
Number of Rows	16
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm

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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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impulse 90 Ohm 8-Pair 90° Orthogonal Header, 2.00mm Pitch, Unguided, 16 Columns, 128 Differential Pair	1736252605
Impulse 8-Pair-to-Impulse 8-Pair Cable Assembly, 90 Ohm, 200.00mm Length, 16 Columns, 128 Differential Pairs	2131118205
Impulse 8-Pair-to-Impulse 8-Pair Cable Assembly, 90 Ohm, 300.00mm Length, 16 Columns, 128 Differential Pairs	2131118210
Impulse 8-Pair-to-Impulse 8-Pair Cable Assembly, 90 Ohm, 500.00mm Length, 16 Columns, 128 Differential Pairs	2131118220
Impulse 8-Pair-to-Impulse 8-Pair Cable Assembly, 90 Ohm, 750.00mm Length, 16 Columns, 128 Differential Pairs	2131118230
Impulse 8-Pair-to-Impulse 8-Pair Cable Assembly, 90 Ohm, 1000.00mm Length, 16 Columns, 128 Differential Pairs	2131118240

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