Part Number : 1715767204
Product Description : Impact 100 Ohm 6 Pair Right-Angle Orthogonal Direct Header, Top Guide, Bottom Endwall, with Outrigger, 12 Column, 90˚Mate Position, Pin Length 4.90mm, Plated Through-Hole Dimension 0.46mm, Lead-Free
Series Number : 171576
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

1715767204_sd.pdf

PK-70873-8024-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-171576-7204-001.zip

Specifications

AS-76060-9999-001.pdf

AS-76850-990-001.pdf

PS-45499-002-001.pdf

PS-76060-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not 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	171576
Description	Impact 100 Ohm 6 Pair Right-Angle Orthogonal Direct Header, Top Guide, Bottom Endwall, with Outrigger, 12 Column, 90˚Mate Position, Pin Length 4.90mm, Plated Through-Hole Dimension 0.46mm, Lead-Free
Application	Orthogonal Direct
Component Type	PCB Header
Product Name	Impact
UPC	887191432076

Agency

UL	E29179

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Electrical

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	100Ω
Shielded	No
Shield Type	N/A
Voltage - Maximum	30V AC (RMS)/DC

Physical

Circuits (Loaded)	216
Circuits (maximum)	216
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
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	46.781/g
Number of Columns	12
Number of Pairs	6
Number of Rows	18
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.20mm
Pitch - Mating Interface	1.35mm, 1.90mm, 2.15mm
Pitch - Termination Interface	1.35mm, 1.90mm, 2.15mm
Plating min - Mating	0.762µm
Polarized to PCB	Yes

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Stackable	No
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impact 100 Ohm 6 Pair Right-Angle Orthogonal Daughtercards	76290

Application Tooling

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