molex



Part Number : 1705351107
Product Description : Impact 85 Ohm Plus 6 Pair Vertical Backplane Header, Unguided, Open Endwalls, 10 Columns, 180 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free
Series Number : 170535
Status : Active
Product Category : Backplane Connectors

Documents and Resources

Drawings

1705351107_sd.pdf

PK-70873-7703-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-170535-1107-001.zip

Specifications

AS-76060-990-001.pdf

PS-170540-999-001.pdf

PS-45499-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34
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

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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	170535
Description	Impact 85 Ohm Plus 6 Pair Vertical Backplane Header, Unguided, Open Endwalls, 10 Columns, 180 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free
Application	Conventional
Component Type	PCB Header
Product Name	Impact
UPC	884982470316

Agency

UL	E29179

Electrical

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	85Ω

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Shielded	No
Shield Type	N/A
Voltage - Maximum	30V AC (RMS)/DC

Physical

Circuits (Loaded)	180
Circuits (maximum)	180
Color - Resin	Gray
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	4.703/g
Number of Columns	10
Number of Pairs	6
Number of Rows	18
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.40mm
Pitch - Mating Interface	1.35mm, 1.90mm
Pitch - Termination Interface	1.35mm, 1.90mm
Plating min - Mating	0.762µm
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-55° to +85°C
Termination Interface Style	Through Hole - Compliant Pin

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Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impact 85 Ohm Plus 6 Pair Right-Angle Daughtercards	170540

Application Tooling

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