molex



Part Number : 1704151918
Product Description : Impact 100 Ohm 3 Pair Mezzanine Receptacle, Unguided, 18.00mm Stack Height, 16 Columns, 144 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free
Series Number : 170415
Status : Active
Product Category : Backplane Connectors

Documents and Resources

Drawings

1704151918_sd.pdf

PK-70873-0050-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-170415-1918-001.zip

EE-170415-029-002.pdf

EE-170415-181-001.pdf

SP-170415-029-001.zip

SP-170415-181-001.zip

SP-170415-221-001.zip

Specifications

AS-76060-990-001.pdf

AS-76060-9999-001.pdf

PS-45499-002-001.pdf

PS-76060-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant

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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:16713a46-6685-4668-b435-a828d2027c63
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	170415
Description	Impact 100 Ohm 3 Pair Mezzanine Receptacle, Unguided, 18.00mm Stack Height, 16 Columns, 144 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Mezzanine
Component Type	PCB Receptacle
Product Name	Impact

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UPC	884982821330

Agency

UL	E29179

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)	144
Circuits (maximum)	144
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
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	29.810/g
Number of Columns	16
Number of Pairs	3
Number of Rows	3
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.20mm

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Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm
Polarized to PCB	No
Stackable	Yes
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 3 Pair Vertical Backplane Headers	76165

Application Tooling

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