Part Number : 761651827
Product Description : Impact 100 Ohm 3 Pair Vertical Backplane Header, Unguided, Dual Endwall, 8 Columns, 72 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free
Series Number : 76165
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

761651827_sd.pdf

PK-70873-7700-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-76165-1827-001.zip

Specifications

AS-76060-990-001.pdf

AS-76060-9999-001.pdf

PS-76060-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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)7771-DC (04 Feb 2026)

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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	76165
Description	Impact 100 Ohm 3 Pair Vertical Backplane Header, Unguided, Dual Endwall, 8 Columns, 72 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Conventional, Mezzanine
Component Type	PCB Header
Product Name	Impact
UPC	883906400408

Agency

UL	E29179

Electrical

Current - Maximum per Contact	0.75A

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

Physical

Circuits (Loaded)	72
Circuits (maximum)	72
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	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.280/g
Number of Columns	8
Number of Pairs	3
Number of Rows	9
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.40mm
Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-55° to +85°C

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Termination Interface Style	Through Hole - Compliant Pin

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impact 100 Ohm 3 Pair Right-Angle Daughtercard Receptacles	76170

Use with Part(s)

Description	Part Number
GbX Backplane Guide Pins	75234

Application Tooling

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