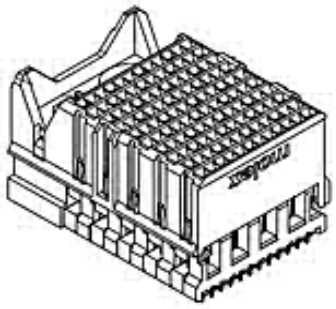
Part Number : 1703903002
Product Description : Impact 85 Ohm Plus 4 Pair Mezzanine Receptacle, Stack Height 18.00mm, Left Guided, 12 Columns, 144 Circuits, Lead Free
Series Number : 170390
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

1703903002_sd.pdf

PK-70873-4001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

EE-170390-0318-001.pdf

Specifications

AS-76060-990-001.pdf

PS-170540-999-001.pdf

PS-45499-002-001.pdf

PS-76060-999-001.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) SCIP:a5173ccd-2892-4522-81b2-

	fd128d3180b0
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	170390
Description	Impact 85 Ohm Plus 4 Pair Mezzanine Receptacle, Stack Height 18.00mm, Left Guided, 12 Columns, 144 Circuits, Lead Free
Application	Mezzanine
Component Type	PCB Receptacle
Product Name	Impact
UPC	889056051712

Agency

UL	E29179

Electrical

Current - Maximum per Contact	0.75A

Data Rate	25.0 Gbps
Impedance	85Ω
Shielded	No
Shield Type	N/A
Voltage - Maximum	30V AC (RMS)/DC

Physical

Circuits (Loaded)	144
Circuits (maximum)	144
Color - Resin	Gray
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	13.045/g
Number of Columns	12
Number of Pairs	4
Number of Rows	12
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.20mm
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

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impact 85 Ohm Plus 4 Pair Vertical Headers	170335

Application Tooling