



Part Number : [768503038](#)
Product Description : Impact 100 Ohm 4 Pair Right-Angle Orthogonal Daughtercard, Left Guide, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free
Series Number : 76850
Status : Active
Product Category : Backplane Connectors



Documents & Resources

Drawings

[768503038 sd.pdf](#)
[PK-70873-610-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)
[SOLIDWORKS](#)
[Creo](#)
[SYM-76850-3038-001.zip](#)
[EE-76850-049-001.pdf](#)
[EE-76850-055-001.pdf](#)
[SP-76850-049-001.zip](#)
[SP-76850-055-001.zip](#)

Specifications

[AS-76060-9999-001.pdf](#)
[AS-76850-990-001.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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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	76850
Description	Impact 100 Ohm 4 Pair Right-Angle Orthogonal Daughtercard, Left Guide, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane
Component Type	PCB Receptacle
Product Name	Impact
UPC	884982055056

Agency

CSA	LR19980
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)	96
Circuits (maximum)	96
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	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	13.164/g
Number of Columns	8
Number of Pairs	4
Number of Rows	12
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.20mm
Pitch - Mating Interface	1.90mm, 2.15mm

Pitch - Termination Interface	1.90mm, 2.15mm
Plating min - Mating	0.762μm
Polarized to PCB	Yes
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 4 Pair Vertical Orthogonal Headers	<u>76845</u>

Application Tooling