



Part Number : [768557605](#)

Product Description : Impact 100 Ohm 3 Pair
Vertical Orthogonal Header Left Guide, Right Endwall,
6 Columns, 54 Circuits, Pin Length 5.50mm, Plated
Through Hole Dimension 0.46mm, Lead-Free

Series Number : 76855

Status : Active

Product Category : Backplane Connectors



Documents and Resources

Drawings

[768557605 sd.pdf](#)

[PK-70873-763-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-76855-7605-001.zip](#)

Specifications

[AS-76060-9999-001.pdf](#)

[AS-76850-990-001.pdf](#)

[PS-45499-002-001.pdf](#)

[PS-76060-999-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 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(2024)4144-

	DC (27 June 2024)
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	76855
Description	Impact 100 Ohm 3 Pair Vertical Orthogonal Header Left Guide, Right Endwall, 6 Columns, 54 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free
Application	Orthogonal Midplane
Component Type	PCB Header
Product Name	Impact
UPC	884982166608

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)	54
Circuits (maximum)	54
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	4.682/g
Number of Columns	6
Number of Pairs	3
Number of Rows	9
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	3.00mm
PC Tail Length	1.40mm
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 3 Pair Right-Angle Orthogonal Daughtercards	<u>76860</u>

Application Tooling