

**Part Number :** [764553108](#)

**Product Description :** Impact 100 Ohm 2 Pair Vertical Backplane Header, Left Guide, Open Endwall, 10 Columns, 60 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Series Number :** 76455

**Status :** Active

**Product Category :** Backplane Connectors

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## Documents and Resources

### Drawings

[764553108 sd.pdf](#)

[PK-70873-761-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-76455-3108-001.zip](#)

### Specifications

[AS-76060-990-001.pdf](#)

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

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

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

[TS-76460-0001-001.pdf](#)


### Tooling Specifications

[ATS-622018692-001.pdf](#)

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## 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)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	76455
Description	Impact 100 Ohm 2 Pair Vertical Backplane Header, Left Guide, Open Endwall, 10 Columns, 60 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Conventional
Component Type	PCB Header
Product Name	Impact
UPC	884982282506

### 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)	60
Circuits (maximum)	60
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	3.878/g
Number of Columns	10
Number of Pairs	2
Number of Rows	6
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
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	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
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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Impact 100 Ohm 2 Pair Right-Angle Daughtercard Receptacles	<u>76460</u>

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### Application Tooling

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This document was generated on Dec 21, 2025