



Part Number : [765003607](#)

**Product Description :** Impact 100 Ohm 4 Pair RAM Right-Angle Header, Left Guided, Open Endwall, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

Series Number : 76500

Status : Active

Product Category : Backplane Connectors

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## Documents & Resources

### Drawings

[Drawing 765003607\\_sd.pdf](#)

[Packaging Design Drawing PK-70873-041-001.pdf](#)

### 3D Models and Design Files

[3D Model 765003607\\_stp.zip](#)

[Electrical Model Document EE-76500-002-002.pdf](#)

[S-Parameter Model SP-76500-002-002.zip](#)

[Symbol Footprint Data SYM-76500-3607-001.zip](#)

### Specifications

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

[Application Specification AS-76060-994-001.pdf](#)


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

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC

- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Backplane Connectors
Series	76500
Description	Impact 100 Ohm 4 Pair RAM Right-Angle Header, Left Guided, Open Endwall, 16 Columns, 192 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Coplanar
Component Type	PCB Header
Product Family	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
UPC	883906703608

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	100Ω
Shield Type	N/A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

## Physical

Circuits (Loaded)	192
Circuits (maximum)	192
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	19.661/g
Number of Columns	16
Number of Pairs	4
Number of Rows	12
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	1.20mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm
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 4 Pair Right-Angle Daughtercard Receptacles	<u>76160</u>

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