



Part Number : [1705253807](#)

**Product Description :** Impact 85 Ohm Plus 3 Pair Vertical Backplane Header, Left Guide, Open Endwall, 8 Columns, 72 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free

Series Number : 170525

Status : Active

Product Category : Backplane Connectors

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## Documents & Resources

### Drawings

[Drawing 1705253807\\_sd.pdf](#)

[Packaging Design Drawing PK-70873-758-001.pdf](#)

### 3D Models and Design Files

[3D Model 1705253807\\_stp.zip](#)

[Symbol Footprint Data SYM-170525-3807-001.zip](#)

### Specifications

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


[Product Specification PS-170540-999-001.pdf](#)

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34
China RoHS	
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

### [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	170525
Description	Impact 85 Ohm Plus 3 Pair Vertical Backplane Header, Left Guide, Open Endwall, 8 Columns, 72 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free
Application	Conventional
Component Type	PCB Header
Product Family	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
UPC	884982573208

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	85Ω
Shield Type	N/A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

### Physical

Circuits (Loaded)	72
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Circuits (maximum)	72
Color - Resin	Gray
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	5.228/g
Number of Columns	8
Number of Pairs	3
Number of Rows	9
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	1.40mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
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
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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Impact 85 Ohm Plus 3 Pair Right-Angle Daughtercards	<u>170530</u>

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