



**Part Number :** [1705253817](#)

**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, Polarizing Key Position A, Lead Free

**Series Number :** 170525

**Status :** Active

**Product Category :** Backplane Connectors



---

## Documents & Resources

### Drawings

[Drawing 1705253817\\_sd.pdf](#)

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

### 3D Models and Design Files

[3D Model 1705253817\\_stp.zip](#)

[Symbol Footprint Data SYM-170525-3817-001.zip](#)

### Specifications

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


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

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

---

## 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

---

## 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, Polarizing Key Position A, Lead Free
Application	Conventional
Component Type	PCB Header
Product Family	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
UPC	884982465053

### Agency

UL	E29179
----	--------

### 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
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	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.926/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
------------------------------	-----

---

## Mates With / Use With

### Mates with Part(s)

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

---

This document was generated on Sep 28, 2024