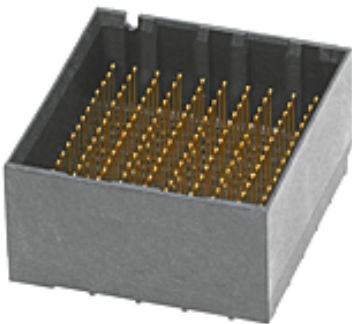




**Part Number :** [769851125](#)  
**Product Description :** Impact 100 Ohm 5 Pair Vertical Orthogonal Header Unguided, Dual Endwall, 10 Columns, 150 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free  
**Series Number :** 76985  
**Status :** Active  
**Product Category :** Backplane Connectors



Documents & Resources


**Drawings**  
[769851125\\_sd.pdf](#)  
[PK-70873-7707-001.pdf](#)

**3D Models and Design Files**  
[769851125\\_stp.zip](#)  
[SYM-76985-1125-001.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	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 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	76985
Description	Impact 100 Ohm 5 Pair Vertical Orthogonal Header Unguided, Dual Endwall, 10 Columns, 150 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free
Application	Orthogonal Midplane
Component Type	PCB Header
Product Name	Impact
UPC	884982719286

### Agency

CSA	LR19980
UL	E29179

### 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)	150
Circuits (maximum)	150
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
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	4.777/g
Number of Columns	10
Number of Pairs	5
Number of Rows	15
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	1.40mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	3.00mm
Pitch - Mating Interface	1.90mm, 2.15mm
Pitch - Termination Interface	1.90mm, 2.15mm
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 100 Ohm 5 Pair Right-Angle Orthogonal Daughtercards	<u>76990</u>

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This document was generated on Mar 12, 2025