



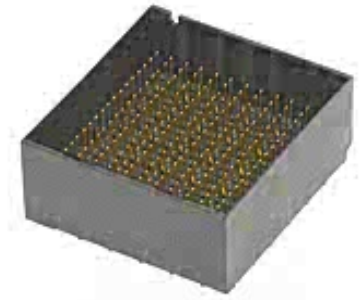
**Part Number :** [762851227](#)

**Product Description :** Impact 100 Ohm 6 Pair Vertical Orthogonal Header Unguided, Dual Endwall, 12 Columns, 216 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Series Number :** 76285

**Status :** Active

**Product Category :** Backplane Connectors



---

## Documents and Resources

### Drawings

[762851227\\_sd.pdf](#)

[PK-70873-7708-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-76285-1227-001.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	 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)6375-DC (05 Nov 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	76285
Description	Impact 100 Ohm 6 Pair Vertical Orthogonal Header Unguided, Dual Endwall, 12 Columns, 216 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free
Application	Orthogonal Midplane
Component Type	PCB Header
Product Name	Impact
UPC	884982039698

### Agency

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)	216
Circuits (maximum)	216
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
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	5.162/g
Number of Columns	12
Number of Pairs	6
Number of Rows	18
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	3.00mm
PC Tail Length	1.40mm
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
------------------------------	-----

---

### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Impact 100 Ohm 6 Pair Right-Angle Orthogonal Daughtercards	<u>76290</u>

---

### Application Tooling

---

This document was generated on Dec 16, 2025