

**Part Number :** 761455617
**Product Description :** Impact 100 Ohm 6 Pair Vertical Backplane Header, Right Guided, Open Endwall, 16 Columns, 288 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm , Keying Orientation A, Lead-Free
**Series Number :** 76145
**Status :** Active
**Product Category :** Backplane Connectors

## Documents and Resources

### Drawings

761455617_sd.pdf

PK-70873-760-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-76145-5617-001.zip

### Specifications

AS-76060-990-001.pdf

PS-45499-002-001.pdf

PS-76060-999-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| 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)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

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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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Backplane Connectors |
| Series | 76145 |
| Description | Impact 100 Ohm 6 Pair Vertical Backplane Header, Right Guided, Open Endwall, 16 Columns, 288 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm , Keying Orientation A, Lead-Free |
| Application | Conventional |
| Component Type | PCB Header |
| Product Name | Impact |
| UPC | 884982471627 |

### Agency

| | |
|---|---|
| UL | E29179 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 0.75A |
| Data Rate | 25.0 Gbps |

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| | |
|---|---|
| Impedance | 100Ω |
| Shielded | No |
| Shield Type | N/A |
| Voltage - Maximum | 30V AC (RMS)/DC |

**Physical**

| | |
|---|---|
| Circuits (Loaded) | 288 |
| Circuits (maximum) | 288 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| 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 | 10.035/g |
| Number of Columns | 16 |
| Number of Pairs | 6 |
| Number of Rows | 18 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.00mm |
| PC Tail Length | 1.40mm |
| 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 |

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### 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 Daughtercard Receptacles | 76150 |

## Application Tooling



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