



**Part Number :** [761551818](#)  
**Product Description :** Impact 100 Ohm 4 Pair Vertical Backplane Header, Unguided, Left Endwall, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free  
**Series Number :** 76155  
**Status :** Active  
**Product Category :** Backplane Connectors



## Documents & Resources

### Drawings

[761551818\\_sd.pdf](#)  
[PK-70873-7701-001.pdf](#)

### 3D Models and Design Files

[761551818\\_stp.zip](#)  
[SYM-76155-1818-001.zip](#)

### Specifications

[AS-76060-990-001.pdf](#)  
[AS-76060-994-001.pdf](#)  
[AS-76060-9999-001.pdf](#)  
[PS-45499-002-001.pdf](#)  
[PS-76060-999-001.pdf](#)  
[TS-76160-0001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                   |
| 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         | 76155                                                                                                                                                               |
| Description    | Impact 100 Ohm 4 Pair Vertical Backplane Header, Unguided, Left Endwall, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free |
| Application    | Conventional                                                                                                                                                        |
| Component Type | PCB Header                                                                                                                                                          |
| Product Name   | Impact                                                                                                                                                              |
| UPC            | 883906416843                                                                                                                                                        |

#### Agency

|    |        |
|----|--------|
| 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)              | 96                             |
| Circuits (maximum)             | 96                             |
| 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                     | 2.422/g                        |
| Number of Columns              | 8                              |
| Number of Pairs                | 4                              |
| Number of Rows                 | 12                             |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| PC Tail Length                 | 1.40mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.00mm                         |
| Pitch - Mating Interface       | 1.90mm                         |
| Pitch - Termination Interface  | 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 100 Ohm 4 Pair Right-Angle<br>Daughtercard Receptacles | <u>76160</u> |

### Use with Part(s)

| Description              | Part Number  |
|--------------------------|--------------|
| GbX Backplane Guide Pins | <u>75234</u> |

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