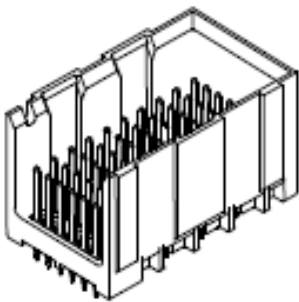




**Part Number :** [764551138](#)  
**Product Description :** Impact 100 Ohm 2 Pair Vertical Backplane Header, Unguided, Right Endwall, 10 Columns, 60 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free  
**Series Number :** 76455  
**Status :** Active  
**Product Category :** Backplane Connectors



## Documents & Resources

**Drawings**  
[764551138\\_sd.pdf](#)  
[PK-70873-761-001.pdf](#)  
[PK-70873-7704-001.pdf](#)

**3D Models and Design Files**  
[764551138\\_stp.zip](#)  
[SYM-76455-1138-001.zip](#)

**Specifications**  
[AS-76060-990-001.pdf](#)  
[AS-76060-9999-001.pdf](#)  
[PS-76060-999-001.pdf](#)  
[TS-76460-0001-001.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         | 76455                                                                                                                                                                 |
| Description    | Impact 100 Ohm 2 Pair Vertical Backplane Header, Unguided, Right Endwall, 10 Columns, 60 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free |
| Application    | Conventional                                                                                                                                                          |
| Component Type | PCB Header                                                                                                                                                            |
| Product Name   | Impact                                                                                                                                                                |
| UPC            | 884982069138                                                                                                                                                          |

### 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)              | 60                             |
| Circuits (maximum)             | 60                             |
| 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                     | 1.909/g                        |
| Number of Columns              | 10                             |
| Number of Pairs                | 2                              |
| Number of Rows                 | 6                              |
| 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 |
|------------------------------|-----|

## Mates With / Use With

### Mates with Part(s)

| Description                                                | Part Number  |
|------------------------------------------------------------|--------------|
| Impact 100 Ohm 2 Pair Right-Angle Daughtercard Receptacles | <u>76460</u> |

### Use with Part(s)

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

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