

**Part Number :** [764555108](#)

**Product Description :** Impact 100 Ohm 2 Pair Vertical Backplane Header, Right Guide, Open 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

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## Documents and Resources

### Drawings

[764555108 sd.pdf](#)

[PK-70873-761-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-76455-5108-001.zip](#)

### Specifications

[AS-76060-990-001.pdf](#)

[AS-76060-9999-001.pdf](#)

[PS-45499-002-001.pdf](#)

[PS-76060-999-001.pdf](#)

[TS-76460-0001-001.pdf](#)


### Tooling Specifications

[ATS-622018692-001.pdf](#)

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## 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)4165-DC (25 June 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         | 76455   |
| Description    | Impact 100 Ohm 2 Pair Vertical Backplane Header, Right Guide, Open 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            | 884982069169  |

### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| 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)              | 60                             |
| Circuits (maximum)             | 60                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 200                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Guide to Mating Part           | Yes                            |
| 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                     | 3.869/g                        |
| Number of Columns              | 10                             |
| Number of Pairs                | 2                              |
| Number of Rows                 | 6                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| 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 |

### 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 2 Pair Right-Angle Daughtercard Receptacles | <u>76460</u> |

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### Application Tooling

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