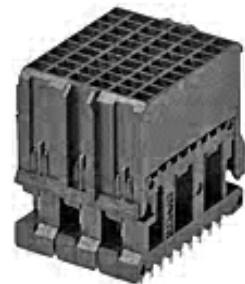




**Part Number :** [1704151618](#)  
**Product Description :** Impact 100 Ohm 3 Pair  
Mezzanine Receptacle, Unguided, 18.00mm Stack  
Height, 6 Columns, 54 Circuits, Plated Through Hole  
Dimension 0.39mm, Lead-Free  
**Series Number :** 170415  
**Status :** Active  
**Product Category :** Backplane Connectors



## Documents & Resources

### Drawings

[1704151618 sd.pdf](#)  
[PK-70873-0050-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[SYM-170415-1618-001.zip](#)  
[EE-170415-029-002.pdf](#)  
[EE-170415-181-001.pdf](#)  
[SP-170415-029-001.zip](#)  
[SP-170415-181-001.zip](#)  
[SP-170415-221-001.zip](#)

### Specifications

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

## Product Environment Compliance

### Compliance

|            |              |
|------------|--------------|
| GADSL/IMDS | Not Relevant |
|------------|--------------|

|                    |                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------|
| China RoHS         | <br>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<br>(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

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**Part Details**

**General**

|                |                                                                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                              |
| Category       | Backplane Connectors                                                                                                                                |
| Series         | 170415                                                                                                                                              |
| Description    | Impact 100 Ohm 3 Pair Mezzanine Receptacle, Unguided, 18.00mm Stack Height, 6 Columns, 54 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free |
| Application    | Mezzanine                                                                                                                                           |
| Component Type | PCB Receptacle                                                                                                                                      |
| Product Name   | Impact                                                                                                                                              |
| UPC            | 884982623804                                                                                                                                        |

**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)              | 54                             |
| Circuits (maximum)             | 54                             |
| 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                     | 10.750/g                       |
| Number of Columns              | 6                              |
| Number of Pairs                | 3                              |
| Number of Rows                 | 9                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.00mm                         |
| PC Tail Length                 | 1.20mm                         |
| Pitch - Mating Interface       | 1.90mm                         |
| Pitch - Termination Interface  | 1.90mm                         |

|                               |                              |
|-------------------------------|------------------------------|
| Plating min - Mating          | 0.762μm                      |
| Polarized to PCB              | No                           |
| Stackable                     | Yes                          |
| 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 3 Pair Vertical Backplane Headers | <u>76165</u> |

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**Application Tooling**