



**Part Number :** [765303040](#)  
**Product Description :** Impact 100 Ohm 5 Pair Mezzanine Receptacle, 40mm Stack Height, Left Guided, 10 Columns, 150 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free  
**Series Number :** 76530  
**Status :** Active  
**Product Category :** Backplane Connectors



## Documents & Resources

### Drawings

[765303040 sd.pdf](#)  
[PK-70873-0040-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[SYM-76530-3040-001.zip](#)  
[EE-76530-0040-001.pdf](#)  
[SP-76530-0028-002.zip](#)  
[SP-76530-0038-002.zip](#)  
[SP-76530-0040-001.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 |  |

|                    |                                                    |
|--------------------|----------------------------------------------------|
|                    | 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         | 76530                                                                                                                                                 |
| Description    | Impact 100 Ohm 5 Pair Mezzanine Receptacle, 40mm Stack Height, Left Guided, 10 Columns, 150 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free |
| Application    | Mezzanine                                                                                                                                             |
| Component Type | PCB Receptacle                                                                                                                                        |
| Product Name   | Impact                                                                                                                                                |
| UPC            | 883906495800                                                                                                                                          |

**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)              | 150                            |
| Circuits (maximum)             | 150                            |
| 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                     | 26.923/g                       |
| Number of Columns              | 10                             |
| Number of Pairs                | 5                              |
| Number of Rows                 | 15                             |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| PC Tail Length                 | 1.20mm                         |
| Pitch - Mating Interface       | 1.90mm                         |

|                               |                              |
|-------------------------------|------------------------------|
| Pitch - Termination Interface | 1.90mm                       |
| Plating min - Mating          | 0.762µm                      |
| Polarized to PCB              | Yes                          |
| 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 5 Pair Vertical Backplane Headers | <u>76055</u> |

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**Application Tooling**

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This document was generated on Sep 25, 2025