



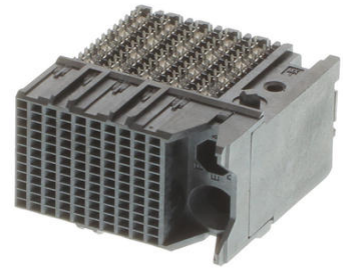
**Part Number :** [761603020](#)

**Product Description :** Impact 100 Ohm 4 Pair Right-Angle Daughtercard Receptacle, Left Guided, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free

**Series Number :** 76160

**Status :** Active

**Product Category :** Backplane Connectors



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## Documents & Resources

### Drawings

[761603020 sd.pdf](#)

[PK-70873-610-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-76160-3020-001.zip](#)

[EE-76160-003-001.pdf](#)

[SP-76160-003-001.zip](#)

### Specifications

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

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

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

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

[TS-76160-0001-001.pdf](#)

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## 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         | 76160                                                                                                                                             |
| Description    | Impact 100 Ohm 4 Pair Right-Angle Daughtercard Receptacle, Left Guided, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free |
| Application    | Conventional, Coplanar, Daughtercard                                                                                                              |
| Component Type | PCB Receptacle                                                                                                                                    |
| Product Name   | Impact                                                                                                                                            |
| UPC            | 800756938097                                                                                                                                      |

**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)              | 120                            |
| Circuits (maximum)             | 120                            |
| 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                     | 15.535/g                       |
| Number of Columns              | 10                             |
| Number of Pairs                | 4                              |
| Number of Rows                 | 12                             |
| Orientation                    | Right Angle                    |
| 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              | 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 4 Pair Vertical Backplane Headers | <u>76155</u> |
| Impact 100 Ohm 4 Pair RAM Right-Angle Headers    | <u>76500</u> |

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**Application Tooling**