



**Part Number :** [1705305026](#)

**Product Description :** Impact 85 Ohm Plus 3 Pair Right-Angle Daughtercard, Right Guide, 16 Columns, 144 Circuits, Plated Through Hole Dimension 0.39mm, Lead Free

**Series Number :** 170530

**Status :** Active

**Product Category :** Backplane Connectors



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## Documents & Resources

### Drawings

[1705305026 sd.pdf](#)

[PK-70873-591-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-170530-5026-001.zip](#)

[EE-170530-025-001.pdf](#)

[EE-170530-040-001.pdf](#)

[SP-170530-0001-001.zip](#)

[SP-170530-0001\\_40G-001.zip](#)

### Specifications

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

[PS-170540-999-001.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         | 170530                                                                                                                                     |
| Description    | Impact 85 Ohm Plus 3 Pair Right-Angle Daughtercard, Right Guide, 16 Columns, 144 Circuits, Plated Through Hole Dimension 0.39mm, Lead Free |
| Application    | Conventional, Coplanar, Daughtercard                                                                                                       |
| Component Type | PCB Receptacle                                                                                                                             |
| Product Name   | Impact                                                                                                                                     |
| UPC            | 884982748361                                                                                                                               |

**Agency**

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

## Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.75A           |
| Data Rate                     | 25.0 Gbps       |
| Impedance                     | 85Ω             |
| Shielded                      | No              |
| Shield Type                   | N/A             |
| Voltage - Maximum             | 30V AC (RMS)/DC |

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 144                            |
| Circuits (maximum)             | 144                            |
| Color - Resin                  | Gray                           |
| 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                     | 16.906/g                       |
| Number of Columns              | 16                             |
| Number of Pairs                | 3                              |
| Number of Rows                 | 9                              |
| 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       | 1.35mm, 1.90mm                 |
| Pitch - Termination Interface  | 1.35mm, 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 |
|------------------------------|-----|

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**Mates With / Use With**

**Mates with Part(s)**

|                                                      |               |
|------------------------------------------------------|---------------|
| Description                                          | Part Number   |
| Impact 85 Ohm Plus 3 Pair Vertical Backplane Headers | <u>170525</u> |

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**Application Tooling**