



**Part Number :** [1705405020](#)

**Product Description :** Impact 85 Ohm Plus 6 Pair  
Right-Angle Daughtercard, Right Guided, 10 Columns,  
180 Circuits, Plated Through Hole Dimension 0.39mm,  
Lead Free

**Series Number :** 170540

**Status :** Active

**Product Category :** Backplane Connectors

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## Documents and Resources

### Drawings

[1705405020 sd.pdf](#)

[PK-70873-589-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-170540-5020-001.zip](#)

[EE-170540-001-001.pdf](#)

[EE-170540-001 25G-001.pdf](#)

[SP-170540-0001 25G-001.zip](#)

[SP-170540-0001 40G20MSTEP-001.zip](#)

### Specifications

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

[PS-170540-999-001.pdf](#)

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

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## 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)7771-DC (04 Feb 2026) |
| 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         | 170540                                                                                                                                      |
| Description    | Impact 85 Ohm Plus 6 Pair Right-Angle Daughtercard, Right Guided, 10 Columns, 180 Circuits, Plated Through Hole Dimension 0.39mm, Lead Free |
| Application    | Conventional, Daughtercard                                                                                                                  |
| Component Type | PCB Receptacle                                                                                                                              |
| Product Name   | Impact                                                                                                                                      |
| UPC            | 884982614895                                                                                                                                |

### 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)              | 180                            |
| Circuits (maximum)             | 180                            |
| 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                     | 30.016/g                       |
| Number of Columns              | 10                             |
| Number of Pairs                | 6                              |
| Number of Rows                 | 18                             |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tray                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.00mm                         |
| PC Tail Length                 | 1.25mm                         |
| 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 6 Pair<br>Vertical Backplane Headers | <u>170535</u> |

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## Application Tooling

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