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**Part Number:** [1703353807](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 85 Ohm Plus 4 Pair Vertical Header, Left Guide, Open End Walls, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**  
[Drawing \(PDF\)](#)  
[Product Specification PS-170540-999-001 \(PDF\)](#)  
[Application Specification AS-76060-990-001 \(PDF\)](#)  
[Packaging Specification PK-70873-757-001 \(PDF\)](#)  
[Symbol Footprint Data SYM-170335-3807-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| <b>Agency Certification</b>    |                                                                      |
| UL                             | E29179                                                               |
| <b>General</b>                 |                                                                      |
| Product Family                 | Backplane Connectors                                                 |
| Series                         | <a href="#">170335</a>                                               |
| Application                    | Conventional, Mezzanine                                              |
| Application Tooling Documents  | TM-622018799-001                                                     |
| Component Type                 | PCB Header                                                           |
| Overview                       | <a href="#">Impact Backplane Connector and Cable Assembly System</a> |
| Product Name                   | Impact                                                               |
| UPC                            | 887191203065                                                         |
| <b>Physical</b>                |                                                                      |
| Circuits (Loaded)              | 96                                                                   |
| Circuits (maximum)             | 96                                                                   |
| 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                     | 6.089/g                                                              |
| Number of Columns              | 8                                                                    |
| Number of Pairs                | 4                                                                    |
| Number of Rows                 | 12                                                                   |
| Orientation                    | Vertical                                                             |
| PC Tail Length                 | 1.40mm                                                               |
| PCB Locator                    | No                                                                   |
| PCB Retention                  | None                                                                 |
| PCB Thickness - Recommended    | 1.00mm                                                               |
| Packaging Type                 | Tray                                                                 |
| 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                                                                   |
| Surface Mount Compatible (SMC) | No                                                                   |
| Temperature Range - Operating  | -55° to +85°C                                                        |
| Termination Interface: Style   | Through Hole - Compliant Pin                                         |



Series image - Reference only

|                                                                                                                                                                                                                                                  |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                             |                   |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>D(2021)4569-DC (8<br>July 2021)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b> |
| China ROHS                                                                                                                                                                                                                                       | Green Image       |
| ELV                                                                                                                                                                                                                                              | Not Relevant      |
| RoHS Phthalates                                                                                                                                                                                                                                  | Not Contained     |

**Search Parts in this Series**  
[170335](#) Series

**Mates With**  
[170340](#) Impact 85 Ohm Plus Right Angle Receptacle, [170390](#) Impact 85 Ohm Plus Vertical Mezzanine Receptacle

**Electrical**

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

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                           |                     |
|---------------------------|---------------------|
| Application Specification | AS-76060-990-001    |
| Packaging Specification   | PK-70873-757-001    |
| Product Specification     | PS-170540-999-001   |
| Sales Drawing             | SD-170335-0002-001  |
| Symbol/Footprint Data     | SYM-170335-3807-001 |

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