

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [1703359107](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 85 Ohm Plus 4 Pair Vertical Header, Right Guide, Left End Wall, 10 Columns, 120 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

|                                                               |                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------|
| <b>Documents:</b>                                             |                                                                  |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Application Specification AS-76060-990-001 (PDF)</a> |
| <a href="#">3D Model</a>                                      | <a href="#">Packaging Specification PK-70873-757-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Symbol Footprint Data SYM-170335-9107-001 (PDF)</a>  |
| <a href="#">Product Specification PS-170540-999-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| <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                            | 884982362765                                                         |
| <b>Physical</b>                |                                                                      |
| Circuits (Loaded)              | 120                                                                  |
| Circuits (maximum)             | 120                                                                  |
| 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                     | 7.200/g                                                              |
| Number of Columns              | 10                                                                   |
| 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>                                                 |                   |
| <b>Not Relevant</b>                                           |                   |
| <b>EU RoHS</b>                                                | <b>China RoHS</b> |
| <b>Compliant</b>                                              |                   |
| <b>REACH SVHC</b>                                             |                   |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |                   |
| <b>Halogen-Free Status</b>                                    |                   |
| <b>Low-Halogen</b>                                            |                   |
| For more information, please visit <a href="#">Contact US</a> |                   |
| 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-170335-0003-001  |
| Symbol/Footprint Data     | SYM-170335-9107-001 |

This document was generated on 10/07/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[170335-9107](#)