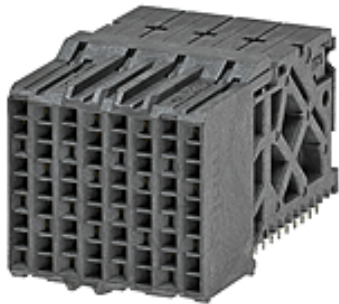


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**Part Number:** [1705301038](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 85 Ohm Plus 3 Pair Right Angle Daughtercard, Unguided, 8 Columns, 72 Circuits, Plated Through Hole Dimension 0.39mm, Lead Free

**Documents:**  
[3D Model](#) [Application Specification AS-76060-990-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-170540-999-001 \(PDF\)](#)

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| <b>Agency Certification</b>    |                                                                      |
| UL                             | E29179                                                               |
| <b>General</b>                 |                                                                      |
| Product Family                 | Backplane Connectors                                                 |
| Series                         | <a href="#">170530</a>                                               |
| Application                    | Conventional, Coplanar, Daughtercard                                 |
| Application Tooling Documents  | TM-622018799                                                         |
| Component Type                 | PCB Receptacle                                                       |
| Overview                       | <a href="#">Impact Backplane Connector and Cable Assembly System</a> |
| Product Name                   | Impact                                                               |
| UPC                            | 884982487109                                                         |
| <b>Physical</b>                |                                                                      |
| Circuits (Loaded)              | 72                                                                   |
| Circuits (maximum)             | 72                                                                   |
| Color - Resin                  | Gray                                                                 |
| Durability (mating cycles max) | 200                                                                  |
| First Mate / Last Break        | No                                                                   |
| Flammability                   | 94V-0                                                                |
| Guide to Mating Part           | No                                                                   |
| 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                     | 7.157/g                                                              |
| Number of Columns              | 8                                                                    |
| Number of Pairs                | 3                                                                    |
| Number of Rows                 | 9                                                                    |
| Orientation                    | Right Angle                                                          |
| PC Tail Length                 | 1.20mm                                                               |
| 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°C to +85°C                                                       |
| Termination Interface: Style   | Through Hole - Compliant Pin                                         |



Series image - Reference only

**EU ELV**  
**Not Relevant**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/30/2017 (7 July<br>2017)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br><b>Need more information on product<br/>environmental compliance?</b><br><br>Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a><br>Please visit the <a href="#">Contact Us</a> section for any<br>non-product compliance questions. | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Green Image<br>Not Relevant<br>Not Contained                                                  |

**Search Parts in this Series**  
[170530](#) Series

**Mates With**  
[170525](#) Impact 85 Ohm Plus Vertical Header

**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                   |
| Electrical Model Document | EE-170530-025, EE-170530-040       |
| Product Specification     | PS-170540-999-001                  |
| S-Parameter Model         | SP-170530-0001, SP-170530-0001_40G |
| Sales Drawing             | SD-170530-0001                     |
| Symbol/Footprint Data     | SYM-170530-1038                    |

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