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**Part Number:** [1705403020](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connector and Cable Assembly System  
**Description:** Impact™ 85 Ohm Plus 6 Pair Right Angle Daughtercard, Left Guided, 10 Columns, 180 Circuits, Plated Through Hole Dimension 0.39mm, Lead Free

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>                                  | <a href="#">Application Specification AS-76060-990 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                             | <a href="#">Packaging Specification PK-70873-589 (PDF)</a>   |
| <a href="#">Product Specification PS-170540-999 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

**Agency Certification**

UL E29179

**General**

|                               |   |
|-------------------------------|---|
| Product Family                | Backplane Connectors  |
| Series                        | <a href="#">170540</a>  |
| Application                   | Conventional, 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                           | 887191340968  |

**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                     | 29.001/g                       |
| Number of Columns              | 10                             |
| Number of Pairs                | 6                              |
| Number of Rows                 | 18                             |
| 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**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[170540](#) Series

**Mates With**

[170535](#) Impact™ 85 Ohm Plus Vertical Header

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description                             | Product #                  |
|---|----------------------------|
| Daughter Card                           | <a href="#">0622018661</a> |
| Signal Module                           |                            |
| Assembly Press-In                       |                            |
| Tool for 6-Pair by 10-Column Assemblies |                            |

**Electrical**

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

**Solder Process Data**

|                              |     |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

**Material Info****Reference - Drawing Numbers**

|                           |  |
|---------------------------|--|
| Application Specification | AS-76060-990                             |
| Electrical Model Document | EE-170540-001, EE-170540-001_25G         |
| Packaging Specification   | PK-70873-589                             |
| Product Specification     | PS-170540-999                            |
| S-Parameter Model         | SP-170540-0001_25G, SP-170540-0001_40G20 |
| Sales Drawing             | SD-170540-0002, SD-173120-0002           |
| Symbol/Footprint Data     | SYM-170540-3020                          |

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