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**Part Number:** [1704753207](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connector and Cable Assembly System](#)  
**Description:** [Impact™ 85 Ohm Plus 5 Pair Vertical Backplane Header, Left Guide, Open Endwall, 12 Columns, 180 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free](#)

**Documents:**

|                                                           |                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                             | <a href="#">Application Specification AS-76060-990 (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="#">170475</a>                                                |
| Application    | Conventional                                                          |
| Component Type | PCB Header                                                            |
| Overview       | <a href="#">Impact™ Backplane Connector and Cable Assembly System</a> |
| Product Name   | Impact™                                                               |
| UPC            | 887191404554                                                          |

**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                     | 8.406/g                        |
| Number of Columns              | 12                             |
| Number of Pairs                | 5                              |
| Number of Rows                 | 15                             |
| 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°C to +85°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

**Electrical**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2014 December 17): No

**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**

[170475](#) Series

**Mates With**

[170480](#) Impact™ 85 Ohm Plus Right Angle Receptacle

**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 #                  |
|---------------------------------------------------------------------------|----------------------------|
| Impact™ 85 Ohm Backplane Press-In Tool for 5-Pair by 12-Column Assemblies | <a href="#">0622018804</a> |
| Impact™ Insertion Tool                                                    | <a href="#">0621005850</a> |

|                                    |                 |                                                                                                  |
|------------------------------------|-----------------|--------------------------------------------------------------------------------------------------|
| Current - Maximum per Contact      | 0.75A           | Backplane Header <u>0621009610</u><br>Removal Tool for<br>GbX-U™, I-Trac™,<br>Impact™, or TinMan |
| Data Rate                          | 25.0 Gbps       |                                                                                                  |
| Impedance                          | 85#             |                                                                                                  |
| Shield Type                        | N/A             |                                                                                                  |
| Shielded                           | No              |                                                                                                  |
| Voltage - Maximum                  | 30V AC (RMS)/DC |                                                                                                  |
| <b>Solder Process Data</b>         |                 |                                                                                                  |
| Lead-freeProcess Capability        | N/A             |                                                                                                  |
| <b>Material Info</b>               |                 |                                                                                                  |
| <b>Reference - Drawing Numbers</b> |                 |                                                                                                  |
| Application Specification          | AS-76060-990    |                                                                                                  |
| Product Specification              | PS-170540-999   |                                                                                                  |
| Sales Drawing                      | SD-170475-0002  |                                                                                                  |
| Symbol/Footprint Data              | SYM-170475-3207 |                                                                                                  |

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