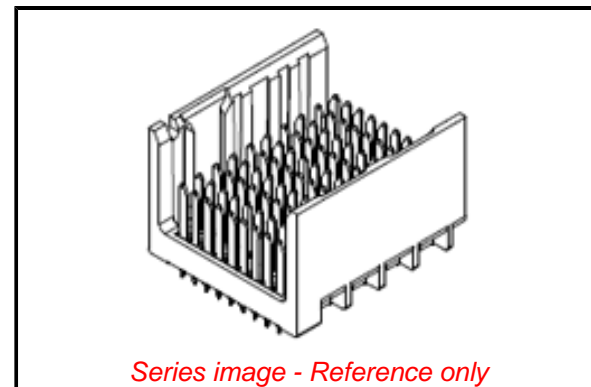


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**Part Number:** [1705251207](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connector and Cable Assembly System  
**Description:** Impact™ 85 Ohm Plus 3 Pair Vertical Backplane Header, Unguided, Open Endwalls, 12 Columns, 108 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-70873-7700 \(PDF\)](#)  
[Product Specification PS-170540-999-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification AS-76060-990-001 \(PDF\)](#)



**General**

|                               |   |
|-------------------------------|---|
| Product Family                | Backplane Connectors  |
| Series                        | <a href="#">170525</a>  |
| Application                   | Conventional  |
| Application Tooling Documents | TM-622018799  |
| Component Type                | PCB Header  |
| Overview                      | <a href="#">Impact™ Backplane Connector and Cable Assembly System</a> |
| Product Name                  | Impact™   |
| UPC                           | 887191358963  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 108                            |
| Circuits (maximum)             | 108                            |
| Color - Resin                  | Gray                           |
| Durability (mating cycles max) | 200                            |
| First Mate / Last Break        | No                             |
| 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                     | 3.267/g                        |
| Number of Columns              | 12                             |
| Number of Pairs                | 3                              |
| Number of Rows                 | 9                              |
| 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**

|                               |           |
|-------------------------------|-----------|
| Current - Maximum per Contact | 0.75A     |
| Data Rate                     | 25.0 Gbps |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/21/2016 (20 June 2016)

**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      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[170525](#) Series

**Mates With**

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

|                   |                 |
|-------------------|-----------------|
| Impedance         | 85Ω             |
| 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-76060-990-001  |
| Packaging Specification   | PK-70873-7700     |
| Product Specification     | PS-170540-999-001 |
| Sales Drawing             | SD-170525-0001    |
| Symbol/Footprint Data     | SYM-170525-1207   |

This document was generated on 01/19/2017

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