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**Part Number:** [1705251807](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 85 Ohm Plus 3 Pair Vertical Backplane Header, Unguided, Open Endwalls, 8 Columns, 72 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead Free

|                                                               |                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------|
| <b>Documents:</b>                                             |                                                                  |
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification AS-76060-990-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Packaging Specification PK-70873-7700-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Symbol Footprint Data SYM-170525-1807-001 (PDF)</a>  |
| <a href="#">Product Specification PS-170540-999-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

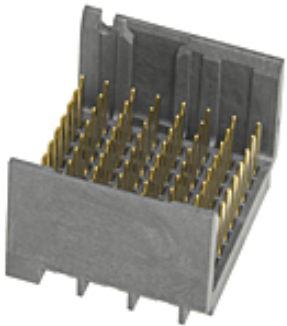
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**General**

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                 |
| Series                        | <a href="#">170525</a>                                               |
| Application                   | Conventional                                                         |
| 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                           | 884982465039                                                         |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| 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                     | 2.223/g                        |
| Number of Columns              | 8                              |
| 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° to +85°C                  |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[170525](#) Series

**Mates With**

[170530](#) Impact 85 Ohm Plus Right Angle Receptacle

|                                    |                              |
|------------------------------------|------------------------------|
| Termination Interface: Style       | Through Hole - Compliant Pin |
| <b>Electrical</b>                  |                              |
| 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              |
| <b>Solder Process Data</b>         |                              |
| Lead-freeProcess Capability        | N/A                          |
| <b>Material Info</b>               |                              |
| <b>Reference - Drawing Numbers</b> |                              |
| Application Specification          | AS-76060-990-001             |
| Packaging Specification            | PK-70873-7700-001            |
| Product Specification              | PS-170540-999-001            |
| Sales Drawing                      | SD-170525-0001-001           |
| Symbol/Footprint Data              | SYM-170525-1807-001          |

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