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**Part Number:** [1703901020](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 85 Ohm Plus 4 Pair Mezzanine Receptacle, Stack Height 25.00mm, Unguided, 10 Columns, 120 Circuits, Lead Free

**Documents:**

|                                |                                                      |
|--------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>       | <a href="#">Drawing (PDF)</a>                        |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**General**

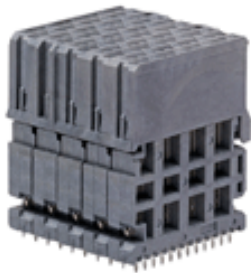
|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                 |
| Series                        | <a href="#">170390</a>                                               |
| Application                   | Mezzanine                                                            |
| Application Tooling Documents | TM-622018799                                                         |
| Component Type                | PCB Receptacle                                                       |
| Electrical Model              | Yes                                                                  |
| Overview                      | <a href="#">Impact Backplane Connector and Cable Assembly System</a> |
| Product Name                  | Impact                                                               |
| UPC                           | 887191271729                                                         |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 120                            |
| Circuits (maximum)             | 120                            |
| 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 | Matte Tin                      |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 10.452/g                       |
| Number of Columns              | 10                             |
| Number of Pairs                | 4                              |
| Number of Rows                 | 12                             |
| 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                  |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

**Electrical**

|                               |           |
|-------------------------------|-----------|
| Current - Maximum per Contact | 0.75A     |
| Data Rate                     | 25.0 Gbps |
| Impedance                     | 85Ω       |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[170390](#) Series

**Mates With**

[170335](#) Impact 85 Ohm Plus Vertical Header

|                             |                 |
|-----------------------------|-----------------|
| 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>        |                 |

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