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**Part Number:** [1715759104](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 100 Ohm 5 Pair Right-Angle Orthogonal Direct Header, Bottom Guide, Top Endwall, with Outrigger, 10 Column, 90#Mate Position, Pin Length 4.90mm, Plated Through-Hole Dimension 0.46mm, Lead-Free

|                                                              |                                                                   |
|--------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Documents:</b>                                            |                                                                   |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-76060-9999-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Application Specification AS-76850-990-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-70873-8023-001 (PDF)</a>   |
| <a href="#">Product Specification PS-45499-002-001 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-171575-9104-001 (PDF)</a>   |
| <a href="#">Product Specification PS-76060-999-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| <b>Agency Certification</b>    |                                                                      |
| UL                             | E29179                                                               |
| <b>General</b>                 |                                                                      |
| Product Family                 | Backplane Connectors                                                 |
| Series                         | <a href="#">171575</a>                                               |
| Application                    | Orthogonal Direct                                                    |
| 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                            | 887191301556                                                         |
| <b>Physical</b>                |                                                                      |
| Circuits (Loaded)              | 150                                                                  |
| Circuits (maximum)             | 150                                                                  |
| Color - Resin                  | Black                                                                |
| 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                     | 32.938/g                                                             |
| Number of Columns              | 10                                                                   |
| Number of Pairs                | 5                                                                    |
| Number of Rows                 | 15                                                                   |
| Orientation                    | Right Angle                                                          |
| PC Tail Length                 | 1.20mm                                                               |
| PCB Locator                    | No                                                                   |
| PCB Retention                  | Yes                                                                  |
| PCB Thickness - Recommended    | 1.00mm                                                               |
| Packaging Type                 | Tray                                                                 |
| Pitch - Mating Interface       | 1.35mm, 1.90mm, 2.15mm                                               |
| Pitch - Termination Interface  | 1.35mm, 1.90mm, 2.15mm                                               |
| Plating min - Mating           | 0.762µm                                                              |
| Polarized to PCB               | Yes                                                                  |
| Stackable                      | No                                                                   |
| Surface Mount Compatible (SMC) | No                                                                   |



Series image - Reference only

|                                                                                                                                                                                                                                                      |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                                 |                                                                                       |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>D(2021)4569-DC (8<br>July 2021)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Not Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                      | Green Image<br>Not Relevant<br>Not Contained                                          |

**Search Parts in this Series**  
[171575](#) Series

**Mates With**  
[76990](#) Impact 100 Ohm Right Angle  
Orthogonal Daughtercard

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Temperature Range - Operating      | -55° to +85°C                       |
| Termination Interface: Style       | Through Hole - Compliant Pin        |
| <b>Electrical</b>                  |                                     |
| Current - Maximum per Contact      | 0.75A                               |
| Data Rate                          | 25.0 Gbps                           |
| Impedance                          | 100Ω                                |
| 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-76060-9999-001, AS-76850-990-001 |
| Packaging Specification            | PK-70873-8023-001                   |
| Product Specification              | PS-45499-002-001, PS-76060-999-001  |
| Sales Drawing                      | SD-171575-0003-001                  |
| Symbol/Footprint Data              | SYM-171575-9104-001                 |

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