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**Part Number:** [1715761217](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** Impact 100 Ohm Right-Angle Orthogonal Direct Header, 6-Pair, Unguided, Dual Endwall, with Outtrigger, 12 Column, 72 Differential Pair, Pin Length 4.90mm, 0.39mm Plated Through-Hole, Lead-Free

|                                                              |                                                                   |
|--------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Documents:</b>                                            |                                                                   |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-76060-9999-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Application Specification AS-76850-990-001 (PDF)</a>  |
| <a href="#">Product Specification PS-45499-002-001 (PDF)</a> | <a href="#">Packaging Specification PK-70873-8024 (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="#">171576</a>                                            |
| Application                    | Orthogonal Direct                                                 |
| Application Tooling Documents  | TM-622018799                                                      |
| Component Type                 | PCB Header                                                        |
| Overview                       | <a href="#">Impact™ Backplane Connectors and Cable Assemblies</a> |
| Product Name                   | Impact                                                            |
| UPC                            | 887191300641                                                      |
| <b>Physical</b>                |                                                                   |
| Circuits (Loaded)              | 216                                                               |
| Circuits (maximum)             | 216                                                               |
| Color - Resin                  | Black                                                             |
| 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                     | 45.090/g                                                          |
| Number of Columns              | 12                                                                |
| Number of Pairs                | 6                                                                 |
| Number of Rows                 | 18                                                                |
| 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                                                                |
| Temperature Range - Operating  | -55°C to +85°C                                                    |
| Termination Interface: Style   | Through Hole - Compliant Pin                                      |



Series image - Reference only

|                                                                                                                                                                                     |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>EU ELV</b>                                                                                                                                                                       |                   |
| <b>Not Relevant</b>                                                                                                                                                                 |                   |
| <b>EU RoHS</b>                                                                                                                                                                      | <b>China RoHS</b> |
| <b>Compliant</b>                                                                                                                                                                    |                   |
| <b>REACH SVHC</b>                                                                                                                                                                   |                   |
| Not Contained Per - ED/30/2017 (7 July 2017)                                                                                                                                        |                   |
| <b>Halogen-Free</b>                                                                                                                                                                 |                   |
| <b>Status</b>                                                                                                                                                                       |                   |
| <b>Not Low-Halogen</b>                                                                                                                                                              |                   |
| <b>Need more information on product environmental compliance?</b>                                                                                                                   |                   |
| Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a><br>Please visit the <a href="#">Contact Us</a> section for any non-product compliance questions. |                   |
| China ROHS                                                                                                                                                                          | Green Image       |
| ELV                                                                                                                                                                                 | Not Relevant      |
| RoHS Phthalates                                                                                                                                                                     | Not Contained     |

**Search Parts in this Series**  
[171576](#) Series

**Mates With**  
[76290](#) Impact 100 Ohm Right Angle Orthogonal Daughtercard

**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| 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 |

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                           |                                     |
|---------------------------|-------------------------------------|
| Application Specification | AS-76060-9999-001, AS-76850-990-001 |
| Packaging Specification   | PK-70873-8024                       |
| Product Specification     | PS-45499-002-001, PS-76060-999-001  |
| Sales Drawing             | SD-171576-0001                      |
| Symbol/Footprint Data     | SYM-171576-1217                     |

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