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**Part Number:** [1715759104](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** Impact™ 100 Ohm Right-Angle Orthogonal Direct Header, 5-Pair, Bottom Guide, Top Endwall, with Outtrigger, 10 Column, 50 Differential Pair, Pin Length 4.90mm, 0.46mm Plated Through-Hole, Lead-Free

**Documents:**

|                                                          |                                                               |
|----------------------------------------------------------|---------------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Application Specification AS-76060-9999 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Application Specification AS-76850-990 (PDF)</a>  |
| <a href="#">Product Specification PS-45499-002 (PDF)</a> | <a href="#">Packaging Specification PK-70873-8023 (PDF)</a>   |
| <a href="#">Product Specification PS-76060-999 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

**Agency Certification**

UL E29179

**General**

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                              |
| Series                        | <a href="#">171575</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                           | 887191301556                                                      |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| 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                             |
| Temperature Range - Operating  | -55°C to +85°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Not 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  
ELV

**China RoHS**

Green Image  
Not Relevant

**Search Parts in this Series**

[171575](#) Series

**Mates With**

[76990](#) Impact™ 100 Ohm Right Angle  
Orthogonal Daughtercard

**Application Tooling | FAQ**

*Tooling specifications and manuals are  
found by selecting the products below.  
Crimp Height Specifications are then  
contained in the Application Tooling  
Specification document.*

**Global**

| Description          | Product #                  |
|----------------------|----------------------------|
| Impact Daughter      | <a href="#">0622024300</a> |
| Card Extraction Tool |                            |
| Impact™ Orthogonal   | <a href="#">0622030028</a> |
| Direct Ram Module    |                            |
| Installation Press-  |                            |

|                                    |                             |                                |
|------------------------------------|-----------------------------|--------------------------------|
|                                    |                             | In Tool 5-Pair by 10<br>Column |
| <b>Electrical</b>                  |                             |                                |
| Current - Maximum per Contact      | 0.75A                       |                                |
| Data Rate                          | 25.0 Gbps                   |                                |
| Impedance                          | 100#                        |                                |
| 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, AS-76850-990 |                                |
| Packaging Specification            | PK-70873-8023               |                                |
| Product Specification              | PS-45499-002, PS-76060-999  |                                |
| Sales Drawing                      | SD-171575-0003              |                                |
| Symbol/Footprint Data              | SYM-171575-9104             |                                |

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