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**Part Number:** [1715751137](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** Impact™ 100 Ohm 5-Pair Right-Angle Orthogonal Direct Header, Unguided, with Outtrigger, 10 Column, 50 Differential Pair, 270#Mate Position, Pin Length 4.90mm, Plated Through-Hole Dimension 0.39mm, Lead Free

**Documents:**

|                                                                   |                                                                  |
|-------------------------------------------------------------------|------------------------------------------------------------------|
| <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-70873-8022 (PDF)</a>      |
| <a href="#">Product Specification PS-76060-999-001 (PDF)</a>      | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Application Specification AS-76060-9999-001 (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™                                                           |
| Style                         | N/A                                                               |
| UPC                           | 887191726762                                                      |

**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           | 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                     | 30.082/g                       |
| Number of Columns              | 10                             |
| Number of Pairs                | 5                              |
| Number of Rows                 | 15                             |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 1.40mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.00mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 1.90mm                         |
| Pitch - Termination Interface  | 1.90mm                         |
| Plating min - Mating           | 0.762µm                        |
| Polarized to PCB               | No                             |
| Stackable                      | 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**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/21/2016 (20 June  
2016)

**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      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[171575](#) Series

**Mates With**

[76990](#) 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-70873-8022                       |
| Product Specification     | PS-45499-002-001, PS-76060-999-001  |
| Sales Drawing             | SD-171575-0001                      |

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