

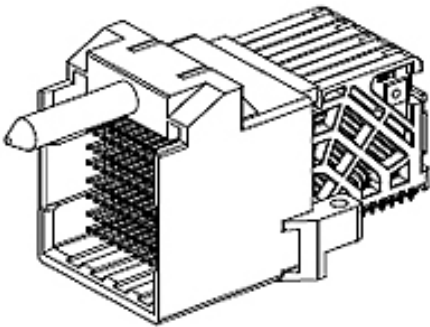
PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [1715757108](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 100 Ohm 5 Pair Right-Angle Orthogonal Direct Header, Top Guide, Bottom Endwall, with Outrigger, 10 Column, 90#Mate Position, Pin Length 5.50mm, Plated Through-Hole Dimension 0.39mm, Lead-Free

**Documents:**  
[3D Model](#)  
[3D Model \(PDF\)](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-45499-002-001 \(PDF\)](#)  
[Product Specification PS-76060-999-001 \(PDF\)](#)  
[Application Specification AS-76060-9999-001 \(PDF\)](#)  
[Application Specification AS-76850-990-001 \(PDF\)](#)  
[Packaging Specification PK-70873-8022-001 \(PDF\)](#)  
[Packaging Specification PK-70873-8023-001 \(PDF\)](#)  
[Symbol Footprint Data SYM-171575-7108-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

| Agency Certification          |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| UL                            | E29179                                                               |
| General                       |                                                                      |
| Product Family                | Backplane Connectors                                                 |
| Series                        | <a href="#">171575</a>                                               |
| Application                   | Orthogonal Direct                                                    |
| Application Tooling Documents | TM-622018799-001                                                     |
| Component Type                | PCB Header                                                           |
| Data Rate                     | 25.0 Gbps                                                            |
| Overview                      | <a href="#">Impact Backplane Connector and Cable Assembly System</a> |
| Product Name                  | Impact                                                               |
| Taxonomy                      | Backplane Connectors                                                 |
| UPC                           | 887191301549                                                         |

| 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                     | 33.170/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                        |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[171575](#) Series

**Mates With**

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

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Polarized to PCB                   | Yes                                  |
| Stackable                          | No                                   |
| Temperature Range - Operating      | -55° to +85°C                        |
| Termination Interface: Style       | Through Hole - Compliant Pin         |
| <b>Electrical</b>                  |                                      |
| Current - Maximum per Contact      | 0.75A                                |
| 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-70873-8022-001, PK-70873-8023-001 |
| Product Specification              | PS-45499-002-001, PS-76060-999-001   |
| Sales Drawing                      | SD-171575-0002-001                   |
| Symbol/Footprint Data              | SYM-171575-7108-001                  |

This document was generated on 10/20/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**