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Part Number: [1715769207](#)
Status: **Active**
Overview: [Impact™ Backplane Connectors and Cable Assemblies](#)
Description: Impact™ 100 Ohm Right-Angle Orthogonal Direct Header, 6-Pair, Bottom Guide, Top Endwall, with Outrigger, 12 Column, 72 Differential Pair, Pin Length 4.90mm, 0.39mm Plated Through-Hole, Lead-Free

Documents:

| | |
|--|---|
| 3D Model | Application Specification AS-76060-9999 (PDF) |
| Drawing (PDF) | Application Specification AS-76850-990 (PDF) |
| Product Specification PS-45499-002 (PDF) | Packaging Specification PK-70873-8025 (PDF) |
| Product Specification PS-76060-999 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

UL E29179

General

| | |
|-------------------------------|---|
| Product Family | Backplane Connectors |
| Series | 171576 |
| Application | Orthogonal Direct |
| Application Tooling Documents | TM-622018799 |
| Component Type | PCB Header |
| Overview | Impact™ Backplane Connectors and Cable Assemblies |
| Product Name | Impact™ |
| UPC | 887191300696 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 216 |
| Circuits (maximum) | 216 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| 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 | 47.323/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 |
| Temperature Range - Operating | -55°C to +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

Electrical



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
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[171576](#) Series

Mates With

[76290](#) 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 Card Extraction Tool | 0622024300 |
| Impact™ Orthogonal Direct Ram Module Installation Press-In Tool | 0622030029 |

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

Solder Process Data

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

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|-----------------------------|
| Application Specification | AS-76060-9999, AS-76850-990 |
| Packaging Specification | PK-70873-8025 |
| Product Specification | PS-45499-002, PS-76060-999 |
| Sales Drawing | SD-171576-0003 |
| Symbol/Footprint Data | SYM-171576-9207 |

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