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**Part Number:** [1715767237](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** Impact™ 100 Ohm 6-Pair Right-Angle Orthogonal Direct Header, Top Guided, with Outtrigger, 12 Column, 72 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-70873-8024 (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="#">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™
Style	N/A
UPC	887191724621

**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	46.545/g
Number of Columns	12
Number of Pairs	6
Number of Rows	18
Orientation	Right Angle
PC Tail Length	1.40mm
PCB Locator	No
PCB Retention	Yes
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	Yes
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**

**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**

[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
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**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-171576-0002

This document was generated on 12/05/2016

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