

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0761701020**  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connector and Cable Assembly System  
**Description:** Impact™ 100 Ohm 3 Pair Right Angle Daughtercard Receptacle, Unguided, 10 Columns, 90 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-76060-990-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification AS-76060-9999-001 (PDF)</a>
<a href="#">Product Specification PS-76060-999-001 (PDF)</a>	<a href="#">Packaging Specification PK-70873-591 (PDF)</a>
<a href="#">Product Specification TS-76170-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

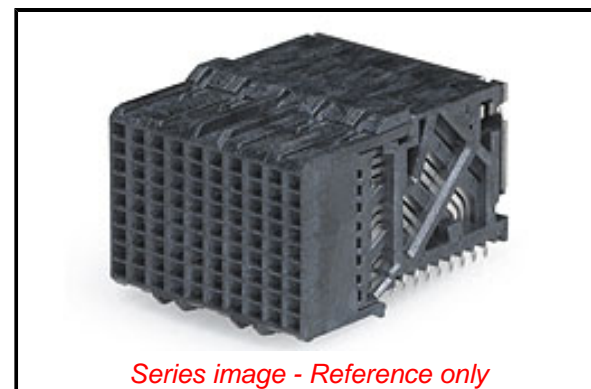
UL E29179

**General**

Product Family	Backplane Connectors
Series	<a href="#">76170</a>
Application	Conventional, Coplanar, Daughtercard
Application Tooling Documents	TM-622018799
Component Type	PCB Receptacle
Electrical Model	Yes
Overview	<a href="#">Impact™ Backplane Connector and Cable Assembly System</a>
Product Name	Impact™
UPC	800756937045

**Physical**

Circuits (Loaded)	90
Circuits (maximum)	90
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	7.738/g
Number of Columns	10
Number of Pairs	3
Number of Rows	9
Orientation	Right Angle
PC Tail Length	1.20mm
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**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**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

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[76170](#) Series

**Mates With**

[76165](#) Impact™ 100 Ohm Vertical Header,  
[76410](#) Impact™ 100 Ohm Right Angle Header

**Use With**

[76153](#) Pirate Cannon Wide Guide Module

**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 #**

**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-free Process Capability	N/A
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**Material Info****Reference - Drawing Numbers**

Application Specification	AS-76060-990-001, AS-76060-9999-001
Electrical Model Document	EE-76170-003
Packaging Specification	PK-70873-591
Product Specification	PS-76060-999-001, TS-76170-0001-001
S-Parameter Model	SP-76170-003
Sales Drawing	SD-76170-001
Symbol/Footprint Data	SYM-76170-1020

Daughter Card	<u>0622018646</u>
Module Installation	
Press-In Tool for 3-	
Pair by 10-Column	
Assemblies	
Impact Daughter	<u>0622024300</u>
Card Extraction Tool	
Impact™ Daughter	<u>0622024600</u>
Card Module	
Removal Tool	

This document was generated on 11/17/2016

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