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**Part Number:** [0768603038](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** [Impact 100 Ohm 3 Pair Right-Angle Orthogonal Daughtercard, Left Guided, 8 Columns, 72 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-76850-990-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-70873-591-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Symbol Footprint Data SYM-76860-3038 (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="#">76860</a>
Application	Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane
Application Tooling Documents	TM-622018799
Component Type	PCB Receptacle
Overview	<a href="#">Impact Backplane Connector and Cable Assembly System</a>
Product Name	Impact
UPC	884982186170

**Physical**

Circuits (Loaded)	72
Circuits (maximum)	72
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	9.087/g
Number of Columns	8
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, 2.15mm
Pitch - Termination Interface	1.90mm, 2.15mm
Plating min - Mating	0.762µm
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**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**

[76860](#) Series

**Mates With**

[76855](#) Impact 100 Ohm Backplane Header

**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 #
Press-In Tool for Daughter Card	<a href="#">622018746</a>
Impact Daughter Card Extraction Tool	<a href="#">622024300</a>
Impact Daughter Card Module Removal Tool	<a href="#">622024600</a>

Temperature Range - Operating -55° to +85°C  
Termination Interface: Style Through Hole - Compliant Pin

**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

**Material Info**

**Reference - Drawing Numbers**

Application Specification AS-76060-9999-001, AS-76850-990-001  
Electrical Model Document EE-76860-049, EE-76860-055  
Packaging Specification PK-70873-591-001  
Product Specification PS-76060-999-001  
S-Parameter Model SP-76860-049, SP-76860-055  
Sales Drawing SD-76860-002  
Symbol/Footprint Data SYM-76860-3038

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