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**Part Number:** [0769853208](#)  
**Status:** **Active**  
**Overview:** [Impact Backplane Connector and Cable Assembly System](#)  
**Description:** Impact 100 Ohm 5 Pair Vertical Orthogonal Header Left Guide, Open Endwall, 12 Columns, 180 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-76060-9999-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification AS-76850-990-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-70873-765-001 (PDF)</a>
<a href="#">Product Specification PS-76060-999-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

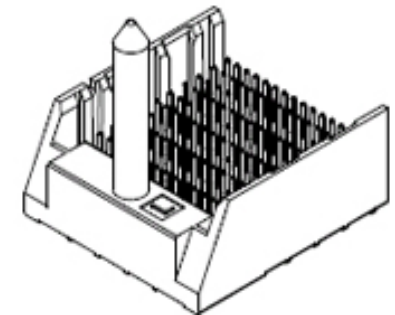
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**General**

Product Family	Backplane Connectors
Series	<a href="#">76985</a>
Application	Orthogonal Midplane
Application Tooling Documents	TM-622018799
Component Type	PCB Header
Overview	<a href="#">Impact Backplane Connector and Cable Assembly System</a>
Product Name	Impact
UPC	884982666900

**Physical**

Circuits (Loaded)	180
Circuits (maximum)	180
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	11.292/g
Number of Columns	12
Number of Pairs	5
Number of Rows	15
Orientation	Vertical
PC Tail Length	1.40mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	3.00mm
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
Temperature Range - Operating	-55° 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 -  
ECHA\_01\_2020 (16  
January 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**

[76985](#) Series

**Mates With**

[76990](#) 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 Ortho Backplane Removal Tool	<a href="#">621009620</a>
Impact Backplane Press-In Tool	<a href="#">622030585</a>

**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-76060-9999-001, AS-76850-990-001
Packaging Specification	PK-70873-765-001
Product Specification	PS-76060-999-001
Sales Drawing	SD-171884-0002, SD-76985-002-001
Symbol/Footprint Data	SYM-76985-3208

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