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**Part Number:** **0769905020**  
**Status:** **Active**  
**Overview:** Impact Backplane Connector and Cable Assembly System  
**Description:** Impact 100 Ohm 5 Pair Right-Angle Orthogonal Daughtercard, Right Guide, 10 Columns, 150 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="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-70873-0611-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-76990-5020-001 (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**

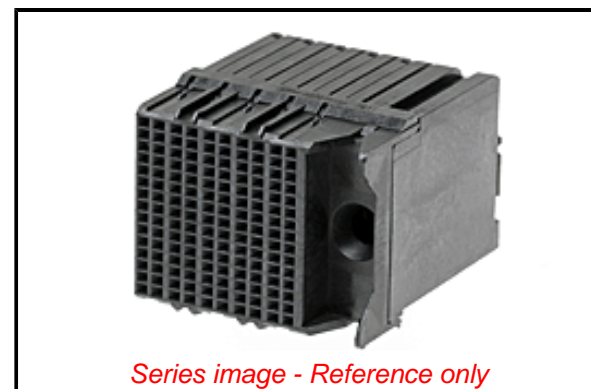
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**General**

Product Family	Backplane Connectors
Series	<u>76990</u>
Application	Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane
Application Tooling Documents	TM-622018799-001
Component Type	PCB Receptacle
Overview	<u>Impact Backplane Connector and Cable Assembly System</u>
Product Name	Impact
UPC	884982580022

**Physical**

Circuits (Loaded)	150
Circuits (maximum)	150
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	20.740/g
Number of Columns	10
Number of Pairs	5
Number of Rows	15
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(2021)4569-DC (8  
July 2021)

**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**

76990 Series

**Mates With**

76985 Impact 100 Ohm Backplane Header

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-76990-049-001, EE-76990-055-001  
Packaging Specification PK-70873-0611-001  
Product Specification PS-76060-999-001  
S-Parameter Model SP-76990-049-001, SP-76990-055-001  
Sales Drawing SD-76990-004-001  
Symbol/Footprint Data SYM-76990-5020-001

This document was generated on 10/04/2021

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