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**Part Number:** [1705251107](#)

**Status:** **Active**

**Overview:** [Impact Backplane Connector and Cable Assembly System](#)

**Description:** Impact 85 Ohm Plus 3 Pair Vertical Backplane Header, Unguided, Open Endwalls, 10 Columns, 90 Circuits, Pin Length 4.90mm, 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="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-70873-7700-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-170525-1107 (PDF)</a>
<a href="#">Product Specification PS-170540-999-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

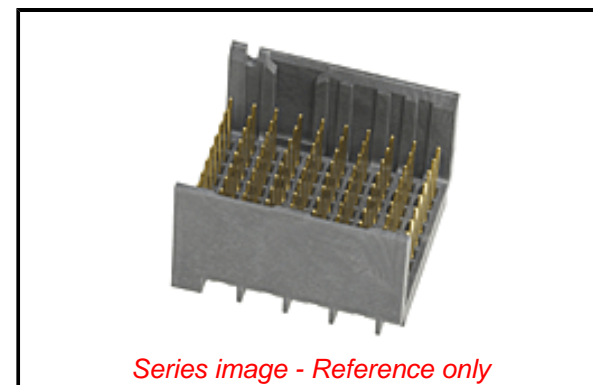
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**General**

Product Family	Backplane Connectors
Series	<a href="#">170525</a>
Application	Conventional
Application Tooling Documents	TM-622018799
Component Type	PCB Header
Overview	<a href="#">Impact Backplane Connector and Cable Assembly System</a>
Product Name	Impact
UPC	884982607972

**Physical**

Circuits (Loaded)	90
Circuits (maximum)	90
Color - Resin	Gray
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	2.735/g
Number of Columns	10
Number of Pairs	3
Number of Rows	9
Orientation	Vertical
PC Tail Length	1.40mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
Packaging Type	Tray
Pitch - Mating Interface	1.35mm, 1.90mm
Pitch - Termination Interface	1.35mm, 1.90mm
Plating min - Mating	0.762µm
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55° to +85°C



*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**

[170525](#) Series

**Mates With**

[170530](#) Impact 85 Ohm Plus Right Angle Receptacle

**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 #
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Impact Insertion Tool	<a href="#">621005850</a>
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Backplane Header	<a href="#">621009610</a>
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Removal Tool for  
GbX U-Series, GbX  
I-Trac, Impact, or Z-  
PACK TinMan

Impact 85 Ohm	<a href="#">622018813</a>
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Backplane Press-In  
Tool

Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	85Ω
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-76060-990-001
Packaging Specification	PK-70873-7700-001
Product Specification	PS-170540-999-001
Sales Drawing	SD-170525-0001-001
Symbol/Footprint Data	SYM-170525-1107

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