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Part Number: [1703903000](#)
Status: **Active**
Overview: Impact Backplane Connector and Cable Assembly System
Description: Impact 85 Ohm Plus 4 Pair Mezzanine Receptacle, Stack Height 18.00mm, Left Guided, 10 Columns, 120 Circuits, Lead Free

Documents:

3D Model	Application Specification AS-76060-990-001 (PDF)
3D Model (PDF)	Packaging Specification PK-70873-4001-001 (PDF)
Drawing (PDF)	Symbol Footprint Data SYM-170390-3000-001 (PDF)
Product Specification PS-170540-999-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	170390
Application	Mezzanine
Application Tooling Documents	TM-622018799-001
Component Type	PCB Receptacle
Data Rate	25.0 Gbps
Electrical Model	Yes
Overview	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
Taxonomy	Backplane Connectors
UPC	887191271750

Physical

Circuits (Loaded)	120
Circuits (maximum)	120
Color - Resin	Gray
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	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	9.341/g
Number of Columns	10
Number of Pairs	4
Number of Rows	12
Orientation	Vertical
PC Tail Length	1.20mm
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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[170390](#) Series

Mates With

[170335](#) Impact 85 Ohm Plus Vertical Header

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55° to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	0.75A
Impedance	85Ω
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
Electrical Model Document	EE-170390-0318-001
Packaging Specification	PK-70873-4001-001
Product Specification	PS-170540-999-001
Sales Drawing	SD-170390-0002-001
Symbol/Footprint Data	SYM-170390-3000-001

This document was generated on 08/27/2022

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