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Part Number: [0761659607](#)
Status: **Active**
Overview: Impact Backplane Connector and Cable Assembly System
Description: Impact 100 Ohm 3 Pair Vertical Backplane Header, Right Guide, Left Endwall, 16 Columns, 144 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

Documents:

3D Model	Application Specification AS-76060-9999-001 (PDF)
Drawing (PDF)	Packaging Specification PK-70873-758-001 (PDF)
3D Model (PDF)	Test Summary TS-76170-0001-001 (PDF)
Product Specification PS-45499-002-001 (PDF)	Symbol Footprint Data SYM-76165-9607-001 (PDF)
Product Specification PS-76060-999-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-76060-990-001 (PDF)	

Agency Certification

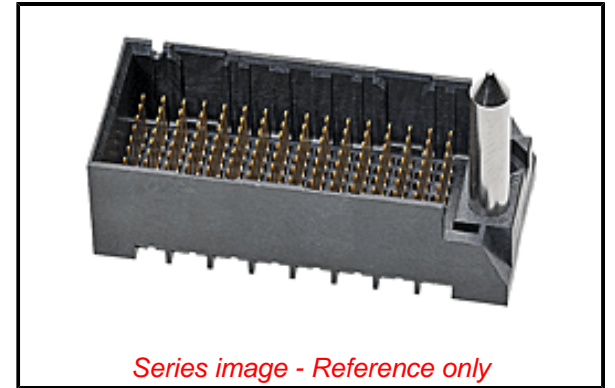
UL E29179

General

Product Family	Backplane Connectors
Series	76165
Application	Conventional
Application Tooling Documents	TM-622018799-001
Component Type	PCB Header
Data Rate	25.0 Gbps
Overview	Impact Backplane Connector and Cable Assembly System
Product Name	Impact
Taxonomy	Backplane Connectors
UPC	883906225940

Physical

Circuits (Loaded)	144
Circuits (maximum)	144
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	6.597/g
Number of Columns	16
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	1.90mm
Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm



Series image - Reference only

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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[76165 Series](#)

Mates With

[76170 Impact 100 Ohm Daughtercard](#)

Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55° to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	0.75A
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-76060-990-001, AS-76060-9999-001
Packaging Specification	PK-70873-758-001
Product Specification	PS-45499-002-001, PS-76060-999-001
Sales Drawing	SD-76165-003-001
Symbol/Footprint Data	SYM-76165-9607-001
Test Summary	TS-76170-0001-001

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