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Part Number: 0768451825

Status: Active

Overview: Impact Backplane Connector and Cable Assembly System

Description: Impact 100 Ohm 4 Pair Vertical Orthogonal Header, Unguided, Dual Endwall, 8 Columns, 96 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free

Documents:

3D Model

Application Specification AS-76850-990-001 (PDF)

Drawing (PDF)

Packaging Specification PK-70873-7706-001 (PDF)

Product Specification PS-76060-999-001 (PDF)

[RoHS Certificate of Compliance \(PDF\)](#)

Application Specification AS-76060-9999-001 (PDF)

Agency Certification

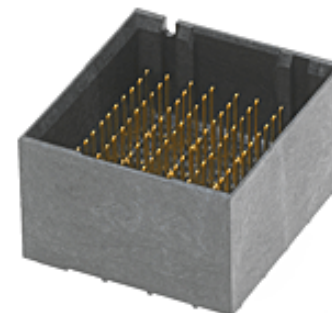
UL E29179

General

Product Family	Backplane Connectors
Series	<u>76845</u>
Application	Orthogonal Midplane
Application Tooling Documents	TM-622018799
Component Type	PCB Header
Overview	<u>Impact Backplane Connector and Cable Assembly System</u>
Product Name	Impact
UPC	884982061699

Physical

Circuits (Loaded)	96
Circuits (maximum)	96
Color - Resin	Black
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	3.627/g
Number of Columns	8
Number of Pairs	4
Number of Rows	12
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	No
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 -
ED/71/2019 (16 July
2019)

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

76845 Series

Mates With

76850 Impact 100 Ohm Right-Angle
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	<u>621009620</u>
Impact Backplane Press-In Tool	<u>622030475</u>
Impact Backplane Press-In Tool	<u>622030575</u>

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

Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Application Specification	AS-76060-9999-001, AS-76850-990-001
Packaging Specification	PK-70873-7706-001
Product Specification	PS-76060-999-001
Sales Drawing	SD-76845-001-001
Symbol/Footprint Data	SYM-76845-1825

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