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Part Number: [0768503038](#)
Status: **Active**
Overview: [Impact Backplane Connector and Cable Assembly System](#)
Description: Impact 100 Ohm 4 Pair Right Angle Orthogonal Daughtercard, Left Guide, 8 Columns, 96 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free

Documents:

[3D Model](#) [Packaging Specification PK-70873-610 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

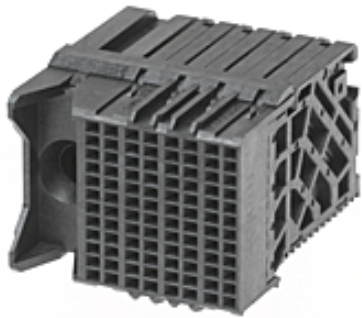
UL E29179

General

Product Family Backplane Connectors
Series [76850](#)
Application Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane
Application Tooling Documents TM-622018799
Component Type PCB Receptacle
Electrical Model Yes
Overview [Impact Backplane Connector and Cable Assembly System](#)
Product Name Impact
UPC 884982055056

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 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 13.164/g
Number of Columns 8
Number of Pairs 4
Number of Rows 12
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
Temperature Range - Operating -55°C to +85°C
Termination Interface: Style Through Hole - Compliant Pin



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

Halogen-Free

Status

Low-Halogen

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environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[76850](#) Series

Mates With

[76845](#) Impact 100 Ohm Backplane Header

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

Lead-freeProcess Capability	N/A
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Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-76850-049, EE-76850-055
Packaging Specification	PK-70873-610
S-Parameter Model	SP-76850-049
Sales Drawing	RSD-76850-012, SD-76850-002
Symbol/Footprint Data	SYM-76850-3038

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