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Part Number: **0768505038**
Status: **Active**
Overview: Impact Backplane Connector and Cable Assembly System
Description: Impact 100 Ohm 4 Pair Right Angle Orthogonal Daughtercard, Right 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 \(PDF\)](#)
[Product Specification PS-76060-999-001 \(PDF\)](#)

Agency Certification

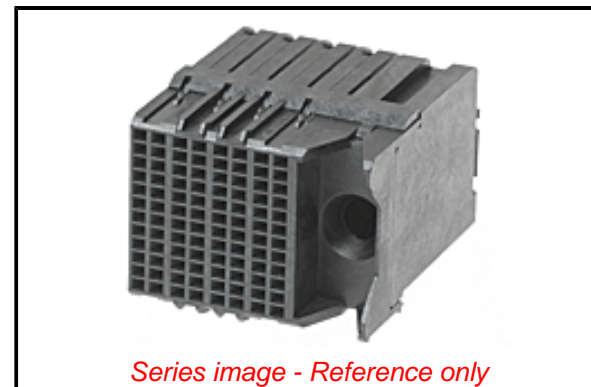
UL E29179

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 884982186200

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 13.190/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free

Status

Low-Halogen

Need more information on product 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

Termination Interface: Style

Through Hole - Compliant Pin

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

Material Info

Reference - Drawing Numbers

Electrical Model Document

EE-76850-049, EE-76850-055

Packaging Specification

PK-70873-610

Product Specification

PS-76060-999-001

S-Parameter Model

SP-76850-049

Sales Drawing

SD-76850-004

Symbol/Footprint Data

SYM-76850-5038

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