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**Part Number:** [76850-3020](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connectors and Cable Assemblies  
**Description:** Impact™ 100 Ohm 4 Pair Right Angle Orthogonal Daughtercard, Left Guide, 10 Columns, 120 Circuits, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**

[3D Model](#) [Application Specification AS-76850-990 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-76060-999 \(PDF\)](#)

**Agency Certification**

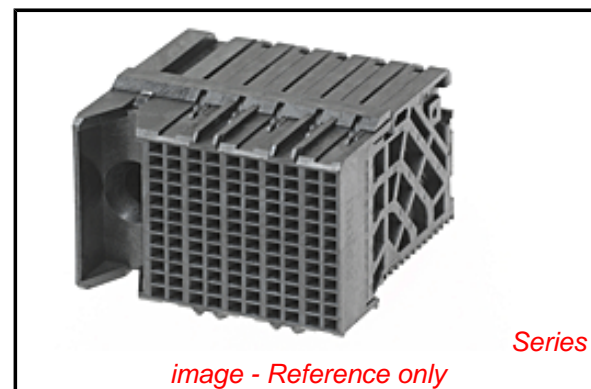
UL E29179

**General**

Product Family Backplane Connectors  
 Series [76850](#)  
 Application Daughtercard, Orthogonal, Orthogonal Direct, Orthogonal Midplane  
 Application Tooling Documents TM-622018799  
 Component Type PCB Receptacle  
 Overview [Impact™ Backplane Connectors and Cable Assemblies](#)  
 Product Name Impact™  
 Style N/A  
 UPC 884982269149

**Physical**

Circuits (Loaded) 120  
 Circuits (maximum) 120  
 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 15.468/g  
 Number of Columns 10  
 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 Yes  
 Temperature Range - Operating -55°C to +85°C  
 Termination Interface: Style Through Hole - Compliant Pin



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[76850Series](#)

**Mates With**

[76845 Impact™ 100 Ohm Backplane Header](#)

**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 #
Daughter Card	<a href="#">0622018641</a>
Module Installation Press-In Tool	
Impact Daughter Card Extraction Tool	<a href="#">0622024300</a>

**Electrical**

Current - Maximum per Contact	0.75A
Data Rate	25.0 Gbps
Impedance	100#
Shield Type	N/A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

**Material Info****Reference - Drawing Numbers**

Application Specification	AS-76850-990
Product Specification	PS-76060-999
Sales Drawing	RSD-76850-012, SD-76850-002
Symbol/Footprint Data	SYM-76850-3020

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