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**Part Number:** [76170-5016](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connectors and Cable Assemblies  
**Description:** Impact™ 100 Ohm 3 Pair Right Angle Daughtercard Receptacle, 1.90 by 1.35mm Pitch, Right Guided, 16 Columns, 144 Circuits, Plated Through Hole Dimension 0.46mm, Lead-Free

**Documents:**

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

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series [76170](#)  
 Application Conventional, Coplanar, Daughtercard  
 Application Tooling Documents TM-622018799  
 Component Type PCB Receptacle  
 Overview [Impact™ Backplane Connectors and Cable Assemblies](#)  
 Product Name Impact™  
 Style N/A  
 UPC 883906216931

**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 15.700/g  
 Number of Columns 16  
 Number of Pairs 3  
 Number of Rows 9  
 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  
 Pitch - Termination Interface 1.90mm  
 Plating min - Mating 0.762µm  
 Polarized to PCB No  
 Stackable Yes  
 Temperature Range - Operating -55°C to +85°C  
 Termination Interface: Style Through Hole - Compliant Pin

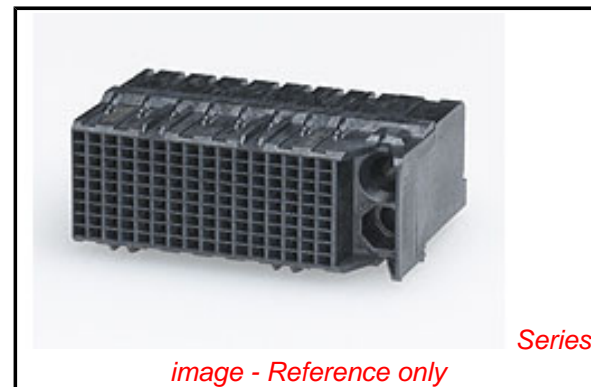


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**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**

[76170Series](#)

**Mates With**

[76165 Impact™ 100 Ohm Vertical 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 #
Impact Daughter	<a href="#">0622024300</a>
Card Extraction Tool	
Daughter Card	<a href="#">0622018650</a>
Module Installation	
Press-In Tool for 3-Pair by 16-Column Assemblies	
Impact™ Daughter Card Module	<a href="#">0622024600</a>
Removal Tool	

**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-76060-990
Product Specification	PS-76060-999
Sales Drawing	SD-171180-0004, SD-76170-004
Symbol/Footprint Data	SYM-76170-5016

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