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**Part Number:** [76165-0615](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connectors and Cable Assemblies  
**Description:** Impact™ 100 Ohm 3 Pair Vertical Backplane Header, 1.90 by 1.35mm Pitch, Unguided, Left Endwall, 16 Columns, 144 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Tin (Sn) Lead (Pb)

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

**Agency Certification**

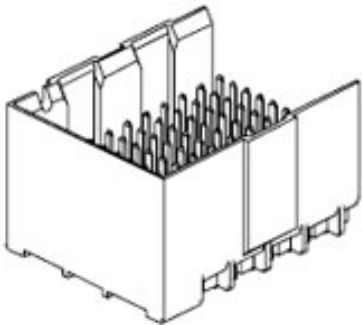
UL E29179

**General**

Product Family Backplane Connectors  
Series [76165](#)  
Application Backplane, Midplane  
Application Tooling Documents TM-622018799  
Component Type PCB Header  
Overview [Impact™ Backplane Connectors and Cable Assemblies](#)  
Product Name Impact™  
Style N/A  
UPC 883906226039

**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 No  
Keying to Mating Part None  
Material - Metal High Performance Alloy (HPA)  
Material - Plating Mating Gold  
Material - Plating Termination Tin-Lead  
Material - Resin High Temperature Thermoplastic  
Net Weight 3.721/g  
Number of Columns 16  
Number of Pairs 3  
Number of Rows 9  
Orientation Vertical  
PC Tail Length 1.40mm  
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



Series

image - Reference only

**EU RoHS**  
**RoHS Compliant by Exemption**  
**REACH SVHC**  
**Not Reviewed**  
**Low-Halogen Status**  
**Not Reviewed**

**China RoHS**

Pb

**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**  
[76165Series](#)

**Mates With**  
[76170](#) Impact™ 100 Ohm Daughtercard

**Use With**  
[75234](#) Backplane Free Standing Guide Pin

**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 #                  |
|----------------------------------------------|----------------------------|
| Backplane Insertion Tool for Signal Contact  | <a href="#">0621005800</a> |
| Backplane Module Installation, Press-In Tool | <a href="#">0622018651</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-76060-990 |
| Product Specification     | PS-76060-999 |
| Sales Drawing             | SD-76165-001 |

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