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**Part Number:** [76055-3605](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** [Impact™ 100 Ohm 5 Pair Vertical Backplane Header, Left Guided, Open Endwall, 16 Columns, 240 Circuits, Pin Length 5.50mm, Plated Through Hole Dimension 0.46mm, Lead-Free](#)

**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 [76055](#)  
Application Conventional, Mezzanine  
Application Tooling Documents TM-622018799  
Component Type PCB Header  
Overview [Impact™ Backplane Connectors and Cable Assemblies](#)  
Product Name Impact™  
UPC 883906414115

**Physical**

Circuits (Loaded) 240  
Circuits (maximum) 240  
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 8.622/g  
Number of Columns 16  
Number of Pairs 5  
Number of Rows 15  
Orientation Vertical  
PC Tail Length 1.40mm  
PCB Locator No  
PCB Retention Yes  
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 Yes  
Temperature Range - Operating -55°C to +85°C  
Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

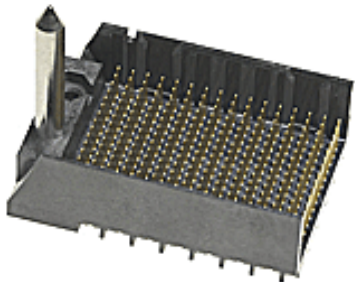


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Series

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Not Reviewed**  
**Low-Halogen Status**  
**Not Reviewed**

**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**  
[76055Series](#)

**Mates With**  
[76060 Impact™ 100 Ohm Daughtercard](#)

**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 Press-In Tool for 5-Pair by 16-Column Assemblies            | <a href="#">0622018665</a> |
| Backplane Header Removal Tool for GbX-U™, I-Trac™, Impact™, or TinMan | <a href="#">0621009610</a> |

|                                    |                 |                                                      |
|------------------------------------|-----------------|------------------------------------------------------|
| Current - Maximum per Contact      | 0.75A           | Impact™ Backplane <u>0622018873</u><br>Press-In Tool |
| Data Rate                          | 25.0 Gbps       |                                                      |
| Impedance                          | 100#            |                                                      |
| Shield Type                        | N/A             |                                                      |
| Shielded                           | No              |                                                      |
| Voltage - Maximum                  | 30V AC (RMS)/DC |                                                      |
| <b>Material Info</b>               |                 |                                                      |
| <b>Reference - Drawing Numbers</b> |                 |                                                      |
| Application Specification          | AS-76060-990    |                                                      |
| Product Specification              | PS-76060-999    |                                                      |
| Sales Drawing                      | SD-76055-002    |                                                      |
| Symbol/Footprint Data              | SYM-76055-3605  |                                                      |

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