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**Part Number:** [76145-7604](#)  
**Status:** **Active**  
**Overview:** [Impact™ Backplane Connectors and Cable Assemblies](#)  
**Description:** Impact™ 100 Ohm 6 Pair Vertical Backplane Header, 1.90 by 1.35mm Pitch, Left Guided, Right Endwall, 16 Columns, 288 Circuits, Pin Length 4.90mm, 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 [76145](#)  
Application Conventional  
Application Tooling Documents TM-622018799  
Component Type PCB Header  
Overview [Impact™ Backplane Connectors and Cable Assemblies](#)  
Product Name Impact™  
Style N/A  
UPC 883906410025

**Physical**

Circuits (Loaded) 288  
Circuits (maximum) 288  
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 9.946/g  
Number of Columns 16  
Number of Pairs 6  
Number of Rows 18  
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  
Stackable Yes  
Temperature Range - Operating -55°C to +85°C  
Termination Interface: Style Through Hole - Compliant Pin

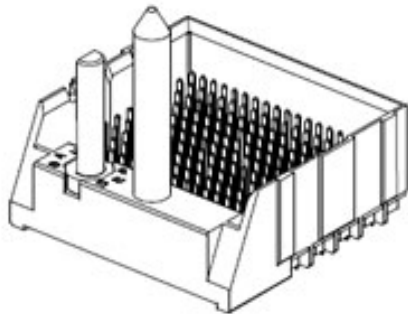


image - Reference only

Series

**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**  
[76145Series](#)

**Mates With**  
[76150](#) 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> |

**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-76145-002   |
| Symbol/Footprint Data     | SYM-76145-7604 |

This document was generated on 08/14/2013

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