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Part Number: [76165-1613](#)
Status: **Active**
Overview: [Impact™ Backplane Connector and Cable Assembly System](#)
Description: [Impact™ 100 Ohm 3 Pair Vertical Backplane Header, Unguided, Left Endwall, 16 Columns, 144 Circuits, Pin Length 4.50mm, 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 [76165](#)
Application Conventional, Mezzanine
Application Tooling Documents TM-622018799
Component Type PCB Header
Overview [Impact™ Backplane Connector and Cable Assembly System](#)
Product Name Impact™
UPC 883906400965

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
Material - Resin High Temperature Thermoplastic
Net Weight 3.608/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
Temperature Range - Operating -55°C to +85°C
Termination Interface: Style Through Hole - Compliant Pin

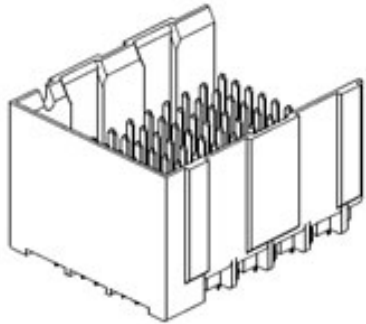


image - Reference only

Series

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

China RoHS



Need more information on product environmental compliance?
Email 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	0621005800
Tool for Signal	
Contact	
Backplane Module	0622018651
Installation, Press-In	
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
Electrical Model Document	EE-76170-0001
Product Specification	PS-76060-999
Sales Drawing	SD-76165-001
Symbol/Footprint Data	SYM-76165-1613

Backplane Header 0621009610
Removal Tool for
GbX-U™, I-Trac™,
Impact™, or TinMan

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