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**Part Number:** [76285-7207](#)  
**Status:** **Active**  
**Overview:** Impact™ Backplane Connectors and Cable Assemblies  
**Description:** Impact™ 100 Ohm 6 Pair Vertical Orthogonal Header Left Guided, Right Endwall, 12 Columns, 216 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.39mm, Lead-Free

**Documents:**

[3D Model](#) [Application Specification AS-76850-990 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-76060-999 \(PDF\)](#)

**Agency Certification**

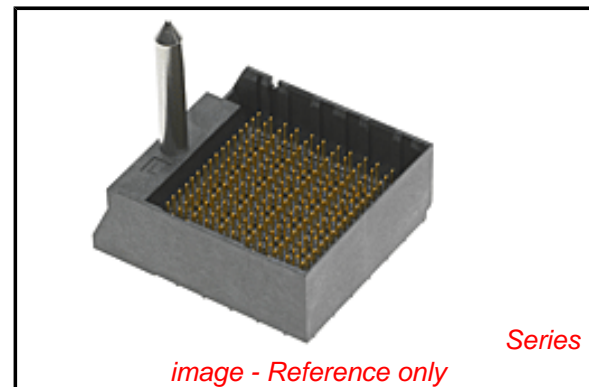
UL E29179

**General**

Product Family Backplane Connectors  
 Series [76285](#)  
 Application Orthogonal Midplane  
 Application Tooling Documents TM-622018799  
 Component Type PCB Header  
 Overview [Impact™ Backplane Connectors and Cable Assemblies](#)  
 Product Name Impact™  
 Style N/A  
 UPC 884982039704

**Physical**

Circuits (Loaded) 216  
 Circuits (maximum) 216  
 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 8.384/g  
 Number of Columns 12  
 Number of Pairs 6  
 Number of Rows 18  
 Orientation Vertical  
 PC Tail Length 1.40mm  
 PCB Locator No  
 PCB Retention Yes  
 PCB Thickness - Recommended 3.00mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.90mm, 2.15mm  
 Pitch - Termination Interface 1.90mm, 2.15mm  
 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



**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**

[76285Series](#)

**Mates With**

[76290 Impact™ 100 Ohm Right Angle Orthogonal Daughtercard](#)

**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-76850-990
Product Specification	PS-76060-999
Sales Drawing	SD-76285-002
Symbol/Footprint Data	SYM-76285-7207

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