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**Part Number:** [75331-0233](#)  
**Status:** **Active**  
**Overview:** GbX® Backplane Connector System  
**Description:** 1.85mm by 1.85mm Pitch 3-Pair GbX® Backplane Connector System, Power Module, 6 Circuits, 1.27µm Gold (Au), Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-75221-999 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

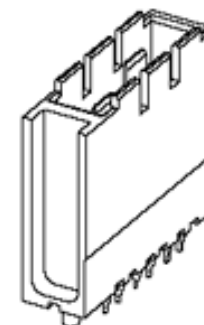
Product Family	Backplane Connectors
Series	<a href="#">75331</a>
Application	Backplane
Application Tooling Documents	TM-622022099
Comments	Blade Length A 4.50mm, B 6.00mm, C 6.00mm
Component Type	Power Header
Overview	<a href="#">GbX® Backplane Connector System</a>
Product Name	GbX®
Style	N/A
UPC	822350894814

**Physical**

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Gray
Durability (mating cycles max)	200
First Mate / Last Break	Yes
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	1.680/g
Number of Columns	N/A
Number of Pairs	3
Number of Rows	3
Orientation	Vertical
PC Tail Length	2.28mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tube
Pitch - Mating Interface	1.85mm
Pitch - Termination Interface	1.85mm
Plating min - Mating	1.270µm
Plating min - Termination	0.762µm
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact	6A
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*image - Reference only*

*Series*

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Low-Halogen Status  
Low-Halogen**

**China RoHS**



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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**

[75331Series](#)

**Mates With**

[75292 GbX® Daughtercard](#)

Data Rate	8.0 Gbps
Shield Type	N/A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

### **Material Info**

### **Reference - Drawing Numbers**

Product Specification	PS-75221-999
Sales Drawing	SD-75331-001

GbX is a registered trademark of Amphenol Corporation.

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