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**Part Number:** [75235-2138](#)  
**Status:** **Active**  
**Overview:** [GbX® Backplane Connector System](#)  
**Description:** 1.85mm by 1.85mm Pitch 4-Pair GbX® Backplane Connector System, Left Guide Header, 80 Circuits, Gold (Au) 1.27µm, Pin Length 4.55mm

**Documents:**

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

**Agency Certification**

UL E29179

**General**

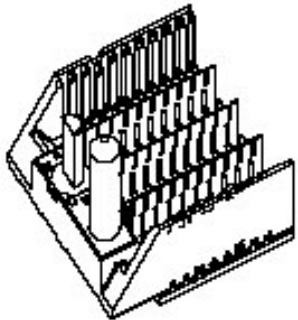
Product Family Backplane Connectors  
Series [75235](#)  
Application Backplane  
Application Tooling Documents TM-622022099  
Comments Left Guide Header, Keying Position C  
Component Type PCB Header  
Overview [GbX® Backplane Connector System](#)  
Product Name GbX®  
Style N/A  
UPC 822350175241

**Physical**

Circuits (Loaded) 80  
Circuits (maximum) 80  
Durability (mating cycles max) 200  
First Mate / Last Break No  
Flammability 94V-0  
Guide to Mating Part Yes  
Keying to Mating Part Yes  
Material - Plating Mating Gold  
Net Weight 9.250/g  
Number of Columns 10  
Number of Pairs 4  
Number of Rows 8  
Orientation Vertical  
PC Tail Length 2.20mm  
PCB Locator No  
PCB Retention Yes  
PCB Thickness - Recommended 1.60mm  
Packaging Type Tray  
Pitch - Mating Interface 1.85mm  
Pitch - Termination Interface 1.85mm  
Polarized to PCB No  
Stackable No  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating 105°C

**Electrical**

Current - Maximum per Contact 1A  
Data Rate 8.0 Gbps  
Real Signals (per 25mm) 108  
Shield Type Ground Plane Shield



Series

image - Reference only

**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**

[75235Series](#)

**Mates With**

[75220 GbX® 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 #                  |
|-----------------------------------|----------------------------|
| Insertion Tool, 4-pair by 10-Wide | <a href="#">0622022000</a> |
| Insertion Tool, 4-pair by 20-Wide | <a href="#">0622022010</a> |
| Single Pin Repair Tool            | <a href="#">0622022090</a> |
| Shield Removal Tool               | <a href="#">0622022100</a> |

Shielded  
Voltage - Maximum

Yes  
120V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-75221-999  
SD-75235-210, SD-75838-210

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This document was generated on 08/12/2013

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