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**Part Number:** [75235-4114](#)  
**Status:** **Active**  
**Overview:** [GbX® Backplane Connector System](#)  
**Description:** 1.85mm by 1.85mm Pitch 4-Pair GbX® Backplane Connector System, Right Guide Header, 80 Circuits, Gold (Au) 0.76µm, Pin Length 4.55mm

**Documents:**

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

**Agency Certification**

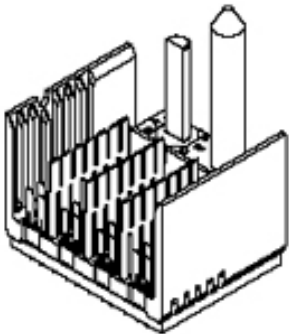
UL E29179

**General**

Product Family Backplane Connectors  
Series [75235](#)  
Application Backplane  
Application Tooling Documents TM-622022099  
Comments Right Guide Header, Keying Position A  
Component Type PCB Header  
Overview [GbX® Backplane Connector System](#)  
Product Name GbX®  
Style N/A  
UPC 822350174466

**Physical**

Circuits (Loaded) 80  
Circuits (maximum) 80  
Color - Resin Gray (Dark)  
Durability (mating cycles max) 200  
First Mate / Last Break No  
Flammability 94V-0  
Guide to Mating Part Yes  
Keying to Mating Part Yes  
Material - Metal High Performance Alloy (HPA), Stainless Steel  
Material - Plating Mating Gold  
Material - Plating Termination Tin-Lead  
Material - Resin High Temperature Thermoplastic  
Net Weight 4.537/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  
Plating min - Mating 0.762µm  
Plating min - Termination 0.762µm  
Polarized to PCB No  
Stackable No  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating 105°C



Series

image - Reference only

**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](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> |

|                               |                              |
|-------------------------------|------------------------------|
| Termination Interface: Style  | Through Hole - Compliant Pin |
| <b>Electrical</b>             |                              |
| Current - Maximum per Contact | 1A                           |
| Data Rate                     | 8.0 Gbps                     |
| Real Signals (per 25mm)       | 108                          |
| Shield Type                   | Ground Plane Shield          |
| Shielded                      | Yes                          |
| Voltage - Maximum             | 120V AC (RMS)/DC             |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-75221-999 |
| Sales Drawing         | SD-75235-410 |

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