

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [75827-2105](#)  
**Status:** **Active**  
**Overview:** [GbX® Backplane Connector System](#)  
**Description:** 2-Pair GbX® Backplane Connector System, Left Guide Header, 40 Circuits, Gold (Au)  
0.76µm, Pin Length 5.55mm

**Documents:**

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

**Agency Certification**

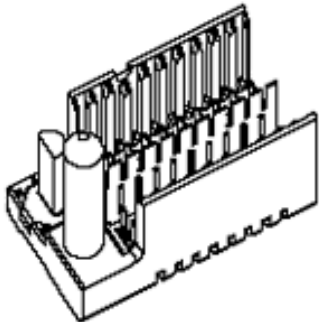
UL E29179

**General**

Product Family Backplane Connectors  
Series [75827](#)  
Application Backplane  
Application Tooling Documents TM-622022099  
Comments Left Guide Header, No Keying Position  
Component Type PCB Header  
Overview [GbX® Backplane Connector System](#)  
Product Name GbX®  
Style N/A  
UPC 822350665766

**Physical**

Circuits (Loaded) 40  
Circuits (maximum) 40  
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 None  
Material - Metal High Performance Alloy (HPA), Stainless Steel  
Material - Plating Mating Gold  
Material - Plating Termination Tin-Lead  
Material - Resin High Temperature Thermoplastic  
Net Weight 5.281/g  
Number of Columns 10  
Number of Pairs 2  
Number of Rows 4  
Orientation Vertical  
PC Tail Length 2.30mm  
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 Yes  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating 105°C



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**

[75827Series](#)

**Mates With**

[75650 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 #                  |
|------------------------|----------------------------|
| 2-Pair by 10-Wide      | <a href="#">0622022410</a> |
| Differential Insertion |                            |
| Tool                   |                            |

|                               |                              |
|-------------------------------|------------------------------|
| Termination Interface: Style  | Through Hole - Compliant Pin |
| <b>Electrical</b>             |                              |
| Current - Maximum per Contact | 1A                           |
| Data Rate                     | 8.0 Gbps                     |
| Real Signals (per 25mm)       | 54                           |
| 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-75827-210 |

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 12/10/2014

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**