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**Part Number:** [0758610104](#)

**Status:** **Active**

**Overview:**

**Description:** 1.85mm by 1.85mm (.073" by .073") Pitch 2-Pair GbX® Backplane L-Series Connector System, Open Header, 55 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 4.55mm (.179")

**Documents:**

[Drawing \(PDF\)](#)

[Packaging Specification \(PDF\)](#)

[Product Specification PS-75221-999 \(PDF\)](#)

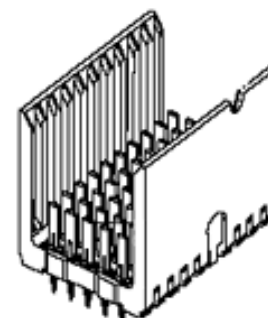
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Backplane Connectors
Series	<a href="#">75861</a>
Application	Backplane
Application Tooling Documents	<a href="http://www.molex.com/pdm_docs/ats/ATS-622022099.pdf">Tooling Manual</a>
Comments	Open Header
Component Type	PCB Header
Overview	GbX®; Backplane Connector System
Product Name	GbX®
Style	N/A

**Physical**

Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Gray (Dark)
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	10
Number of Pairs	2
Number of Rows	5
Orientation	Vertical
PC Tail Length (in)	0.087 In
PC Tail Length (mm)	2.20 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.073 In
Pitch - Mating Interface (mm)	1.85 mm
Pitch - Term. Interface (in)	0.073 In
Pitch - Term. Interface (mm)	1.85 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.76
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes



Series image - Reference only

**EU RoHS**

**RoHS Compliant by Exemption**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**China RoHS**



Pb

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[75861](#) Series

**Mates With**

[75676](#) Gbx Hybrid Daughtercard. [75671](#) GbX® L-Series 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**

GbX® 2 Pair by  
10 Wide L Series  
Insertion Module

**Product #**

[0622022450](#)

Temperature Range - Operating 105°C  
Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum 1A  
Data Rate 8.0 Gbps  
Real Signals (per 25mm) 67  
Shielded No  
Voltage - Maximum 120V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-75221-999  
Sales Drawing SD-75861-010

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