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Part Number: [75861-0505](#)
Status: **Active**
Overview: GbX® Backplane Connector System
Description: 1.85mm by 1.85mm Pitch 2-Pair GbX® Backplane L-Series Connector System, Open Header, 25 Circuits, Gold (Au) 0.76µm, Pin Length 5.55mm

Documents:

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

General

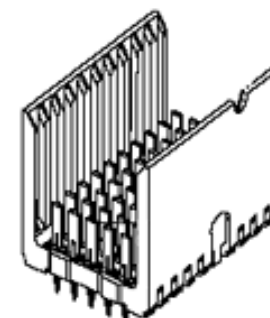
Product Family	Backplane Connectors
Series	75861
Application	Backplane
Application Tooling Documents	TM-622022099
Comments	Open Header
Component Type	PCB Header
Overview	GbX® Backplane Connector System
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	25
Circuits (maximum)	25
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	5
Number of Pairs	2
Number of Rows	5
Orientation	Vertical
PC Tail Length	2.20mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tube
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
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	68



Series
image - Reference only

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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

[75861Series](#)

Mates With

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

Shielded
Voltage - Maximum

No
120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-75221-999
SD-75861-010

GbX is a registered trademark of Amphenol Corporation.

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