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Part Number: **0758610104**
Status: **Active**
Overview: GbX Backplane Connector System
Description: GbX 2 Pair L-Series Backplane Connector System, Open Header, 55 Circuits, Gold (Au) 0.76µm, Pin Length 4.55mm

Documents:

[3D Model](#) [Packaging Specification PK-70873-5058 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

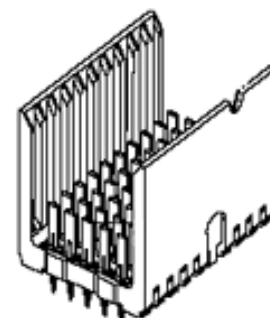
Product Family	Backplane Connectors
Series	<u>75861</u>
Application	Backplane
Application Tooling Documents	TM-622022099
Comments	Open Header
Component Type	PCB Header
Overview	<u>GbX Backplane Connector System</u>
Product Name	GbX
UPC	822350869782

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
Net Weight	2.482/g
Number of Columns	10
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	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1.0A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	67



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/61/2018 (27 June
2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS	Green Image
ELV	Not Relevant
Prop65	Compliant
RoHS Phthalates	Not Contained

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	Product #
GbX 2-Pair by 10-Wide L-Series Insertion Module	<u>0622022450</u>

Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Solder Process Data

Lead-free Process Capability	N/A
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Sales Drawing	SD-75861-010

This document was generated on 09/10/2018

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