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**Part Number:** **0758305715**  
**Status:** **Active**  
**Overview:** GbX Backplane Connector System  
**Description:** GbX 4 Pair Electrically Enhanced Backplane Connector System, 7 Columns, Right Guide Header, Polarization Key A, 56 Circuits, Gold (Au) 0.76µm, Pin Length 5.55mm

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-70873-563 \(PDF\)](#)  
[Product Specification PS-75221-999-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

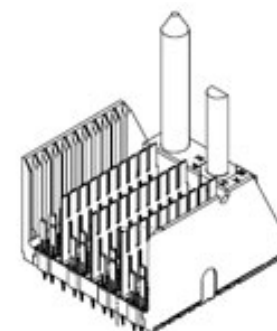
Product Family	Backplane Connectors
Series	<a href="#">75830</a>
Application	Backplane
Application Tooling Documents	TM-622022099
Component Type	PCB Header
Overview	<a href="#">GbX Backplane Connector System</a>
Product Name	GbX
UPC	883906055165

**Physical**

Circuits (Loaded)	56
Circuits (maximum)	56
Color - Resin	Black, Gray
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	8.103/g
Number of Columns	7
Number of Pairs	4
Number of Rows	13
Orientation	Vertical
PC Tail Length	2.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	1.85mm
Pitch - Termination Interface	1.85mm
Polarized to PCB	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +80°C
Termination Interface: Style	Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact	1.0A
Data Rate	8.0 Gbps
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/108/2014 (17 Dec  
2014)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[75830 Series](#)

**Solder Process Data**

Lead-free Process Capability

N/A

**Material Info****Reference - Drawing Numbers**

Packaging Specification

PK-70873-563

Product Specification

PS-75221-999-001

Sales Drawing

SD-75830-510

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