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**Part Number:** [0758382205](#)  
**Status:** **Active**  
**Overview:** [GbX Backplane Connector System](#)  
**Description:** GbX 4 Pair Backplane Connector System Left Guided, 200 Circuits, 25 Columns, Gold (Au) 0.76µm, Pin Length 4.55mm, Lead-Free

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

**Agency Certification**

UL E29179

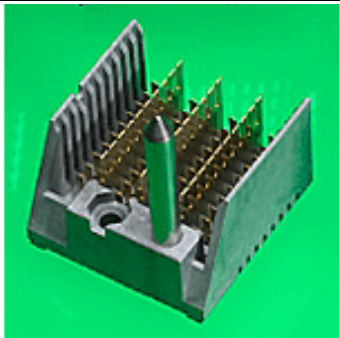
**General**

Product Family Backplane Connectors  
Series [75838](#)  
Application Backplane  
Application Tooling Documents TM-622022099  
Component Type Power Header  
Overview [GbX Backplane Connector System](#)  
Product Name GbX  
UPC 883906054038

**Physical**

Circuits (Loaded) 200  
Circuits (maximum) 200  
Color - Resin Gray  
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)  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 15.915/g  
Number of Columns 25  
Number of Pairs 4  
Number of Rows 8  
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  
Termination Interface: Style Through Hole - Compliant Pin

**Electrical**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**China RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[75838](#) Series

**Mates With**

[75878](#) Daughtercard Assembly

|                                    |                     |
|------------------------------------|---------------------|
| Current - Maximum per Contact      | 1.0A                |
| Data Rate                          | 8.0 Gbps            |
| Shield Type                        | Ground Plane Shield |
| Shielded                           | Yes                 |
| Voltage - Maximum                  | 120V AC (RMS)/DC    |
| <b>Solder Process Data</b>         |                     |
| Lead-freeProcess Capability        | N/A                 |
| <b>Material Info</b>               |                     |
| <b>Reference - Drawing Numbers</b> |                     |
| Packaging Specification            | PK-70873-563        |
| Product Specification              | PS-75221-999-001    |
| Sales Drawing                      | SD-75838-210        |

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