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**Part Number:** **0758384105**  
**Status:** **Active**  
**Overview:** GbX® Backplane Connector System  
**Description:** GbX® Backplane Connector System, 4 Pair, Open Header, Right Guide, 80 Circuits, 10 Columns, Selective Gold (Au), Pin Length 5.55mm

**Documents:**

[3D Model](#) [Packaging Specification PK-70873-563 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

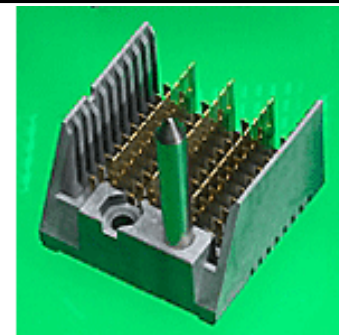
**General**

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 883906099794

**Physical**

Circuits (Loaded) 80  
 Circuits (maximum) 80  
 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 8.512/g  
 Number of Columns 10  
 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**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
 ED/21/2016 (20 June  
 2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**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.

China ROHS  
 ELV

Green Image  
 Not Relevant

**Search Parts in this Series**

[75838](#) Series

**Mates With**

[75878](#) Daughtercard Assembly

**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 #**

Insertion Tool, 4-pair [0622022000](#)  
 by 10-Wide

Current - Maximum per Contact	1.0A
Data Rate	8.0 Gbps
Shield Type	Ground Plane Shield
Shielded	Yes
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-70873-563
Sales Drawing	SD-75838-410

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