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**Part Number:** [0758540505](#)  
**Status:** **Active**  
**Overview:** GbX® Backplane Connector System  
**Description:** GbX® Lite Backplane Connector System, Open Header, 55 Circuits, 4-Pair, 5 Columns, Gold (Au) 0.76µm, Pin Length 5.55mm

**Documents:**

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

**Agency Certification**

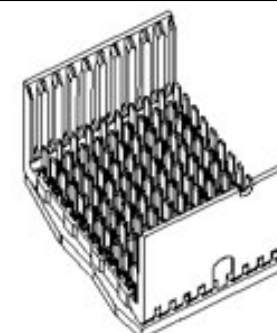
UL E29179

**General**

Product Family Backplane Connectors  
 Series 75854  
 Application Backplane  
 Application Tooling Documents TM-622022099  
 Comments Open Header  
 Component Type PCB Header  
 Overview [GbX® Backplane Connector System](#)  
 Product Name GbX®  
 UPC 822350630429

**Physical**

Circuits (Loaded) 55  
 Circuits (maximum) 55  
 Color - Resin Gray  
 Durability (mating cycles max) 200  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part No  
 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 2.108/g  
 Number of Columns 5  
 Number of Pairs 4  
 Number of Rows 11  
 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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Contains SVHC(2014 December 17): No

**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

Green Image

ELV

Not Relevant

**Search Parts in this Series**

75854 Series

**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 #**

Backplane 4-Pair by 5-Wide L Series Insertion Tool	0622022015
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**Electrical**

Current - Maximum per Contact	1.0A
Data Rate	8.0 Gbps
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**

Product Specification	PS-75221-999
Sales Drawing	SD-75854-010

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