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Part Number: [75838-0105](#)
Status: **Active**
Overview: GbX® Backplane Connector System
Description: 1.85mm, Lead-Free by 1.85mm, Lead-Free Pitch 4-Pair GbX® Backplane Connector System, Open Header, 80 Circuits, 10 Columns, Gold (Au) 0.76µm, Pin Length 5.55mm, Lead-Free

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 [75838](#)
 Application Backplane
 Application Tooling Documents TM-622022099
 Comments Open Header
 Component Type Power Header
 Overview [GbX® Backplane Connector System](#)
 Product Name GbX®
 Style N/A
 UPC 822350628402

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 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 4.888/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 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 No
 Surface Mount Compatible (SMC) Yes

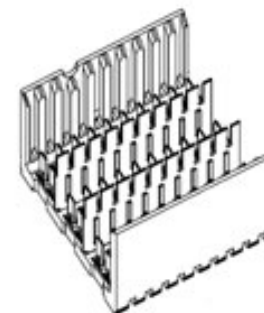


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Series

EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[75838Series](#)

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	

Temperature Range - Operating 105°C
Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 1A
Data Rate 8.0 Gbps
Shield Type Ground Plane Shield
Shielded Yes
Voltage - Maximum 120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification PS-75221-999
Sales Drawing SD-75838-010

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