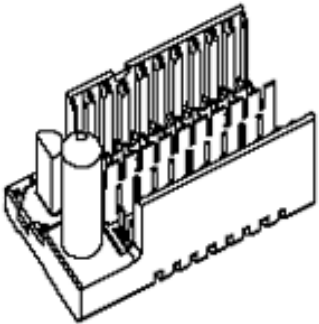


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0758272234](#)
Status: **Active**
Overview: [GbX Backplane Connector System](#)
Description: GbX 2 Pair Backplane Connector System, Left Guide Header, 100 Circuits, 25 Columns, Gold (Au) 0.76µm, Pin Length 4.55mm, Key Orientation C

Documents:
[3D Model](#) [Product Specification PS-75221-999-001 \(PDF\)](#)
[3D Model \(PDF\)](#) [Packaging Specification PK-70873-5058 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
UL	E29179
General	
Product Family	Backplane Connectors
Series	75827
Application	Backplane
Application Tooling Documents	TM-622022099
Comments	Left Guide Header, Keying Position C, Left Guide Header, Keying Position C
Component Type	PCB Header
Overview	GbX Backplane Connector System
Product Name	GbX
UPC	822350869928
Physical	
Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Gray (Dark)
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA), Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Net Weight	10.136/g
Number of Columns	25
Number of Pairs	2
Number of Rows	4
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



Series image - Reference only

EU ELV Not Relevant	
EU 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
China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
[75827](#) Series

Mates With
[75650](#) GbX Daughtercard

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 #
GbX 2-Pair by 25-Wide Differential Insertion Tool	622022430

Termination Interface: Style	Through Hole - Compliant Pin
Electrical	
Current - Maximum per Contact	1.0A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	54
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC
Solder Process Data	
Lead-freeProcess Capability	N/A
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999-001
Sales Drawing	SD-75827-210

This document was generated on 12/17/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

75827-2234