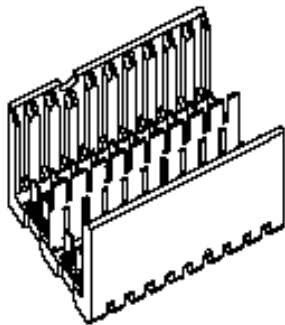


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Part Number: [0758270104](#)
Status: **Active**
Overview: [GbX Backplane Connector System](#)
Description: GbX 2 Pair Backplane Connector System, Open Header, 40 Circuits, 10 Columns, Gold (Au) 0.76µm, Pin Length 4.55mm

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

Agency Certification	
UL	E29179
General	
Product Family	Backplane Connectors
Series	75827
Application	Backplane
Application Tooling Documents	TM-622022099
Comments	Open Header, Open Header
Component Type	PCB Header
Overview	GbX Backplane Connector System
Product Name	GbX
UPC	822350174282
Physical	
Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Gray (Dark)
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-Lead
Material - Resin	High Temperature Thermoplastic
Net Weight	2.708/g
Number of Columns	10
Number of Pairs	2
Number of Rows	4
Orientation	Vertical
PC Tail Length	2.20mm
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 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 ELV RoHS Phthalates
Green Image Not Relevant 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 10-Wide Differential Insertion Tool	622022410

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
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999-001
Sales Drawing	SD-75827-010

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