

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [75647-2104](#)
Status: **Active**
Overview: [GbX® Backplane Connector System](#)
Description: 1.85mm by 1.85mm Pitch 2-Pair GbX® Backplane Electrically Enhanced Connector System, Left Guide Header, 100 Circuits, Pin Length 4.55mm

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

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

General

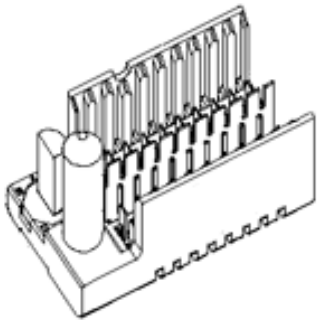
Product Family	Backplane Connectors
Series	75647
Application	Backplane
Application Tooling Documents	TM-622022099
Component Type	PCB Header
Overview	GbX® Backplane Connector System
Product Name	GbX®
Style	N/A
UPC	800756962740

Physical

Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Gray (Dark), Red
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA), Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Net Weight	5.330/g
Number of Columns	10
Number of Pairs	2
Number of Rows	4
Orientation	Vertical
PC Tail Length	2.30mm
PCB Locator	Yes
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	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	8.0 Gbps



Series

image - Reference only

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
[75647Series](#)

Mates With
[75650 GbX® Daughtercard](#)

Real Signals (per 25mm)	54
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-75221-999
Sales Drawing	SD-75647-210

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 08/12/2013

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION