# molex®
one company › a world of innovation

| | |
|---|---|
| **Part Number:** | **0752354175** |
| **Status:** | **Active** |
| **Overview:** | gbx_backplane_connector_system |
| **Description:** | 1.85mm by 1.85mm (.073 by .073") Pitch 4-Pair GbX® Backplane Connector System, Right Guide Header, 80 Circuits, Gold (Au) 1.27µm (50µ"), Pin Length 5.55mm (.219") |

**Documents:**

Drawing (PDF) 　　　　　　　　　　　RoHS Certificate of Compliance (PDF)
Product Specification PS-75221-999 (PDF)

## General

| | |
|---|---|
| Product Family | Backplane Connectors |
| Series | 75235 |
| Application | Backplane |
| Application Tooling Documents | <a href="http://www.molex.com/pdm_docs/ats/TM-622022099.pdf">Tooling Manual</a> |
| Comments | Right Guide Header, Keying Position G |
| Component Type | PCB Header |
| Overview | gbx_backplane_connector_system |
| Product Name | GbX® |
| Style | N/A |

## Physical

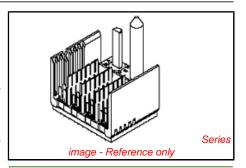| | |
|---|---|
| Circuits (Loaded) | 80 |
| Circuits (maximum) | 80 |
| Color - Resin | Gray (Dark) |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Material - Metal | High Performance Alloy (HPA), Stainless Steel |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin-Lead |
| Material - Resin | High Temperature Thermoplastic |
| Number of Columns | 10 |
| Number of Pairs | 4 |
| Number of Rows | 8 |
| Orientation | Vertical |
| PC Tail Length | 2.20mm (.087") |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm (.063") |
| Packaging Type | Tray |
| Pitch - Mating Interface | 1.85mm (.073") |
| Pitch - Termination Interface | 1.85mm (.073") |
| Plating min - Mating | 0.762µm (30µ") |
| Plating min - Termination | 0.762µm (30µ") |
| Polarized to PCB | No |
| 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** 　　　　　　**China RoHS**
**RoHS Compliant by Exemption**
**REACH SVHC**
Not Reviewed
**Low-Halogen Status**
**Not Reviewed**

**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**
75235Series

**Mates With**
75220 GbX® Daughtercard

| | |
|---|---|
| Real Signals (per 25mm) | 108 |
| Shield Type | Ground Plane Shield |
| Shielded | Yes |
| Voltage - Maximum | 120V AC (RMS)/DC |

## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | PK-70873-563 |
| Product Specification | PS-75221-999 |
| Sales Drawing | SD-75235-410 |

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 12/14/2010
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**