

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0758274203](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 2-Pair GbX® Backplane Connector System, Right Guide Header, 100 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 3.55mm (.140")

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

Agency Certification

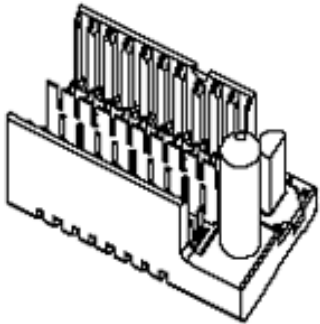
UL E29179

General

Product Family Backplane Connectors
Series [75827](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments Right Guide Header, No Keying Postion
Component Type PCB Header
Overview [gbx_backplane_connector_system](#)
Product Name GbX®
Style N/A

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 None
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 25
Number of Pairs 2
Number of Rows 4
Orientation Vertical
PC Tail Length (in) 0.091 In
PC Tail Length (mm) 2.30 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.063 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.073 In
Pitch - Mating Interface (mm) 1.85 mm
Pitch - Term. Interface (in) 0.073 In
Pitch - Term. Interface (mm) 1.85 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 30



Series

image - Reference only

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS

Pb

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
[75827Series](#)

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	0622022430

Plating min: Termination (μm)	0.76
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
Real Signals (per 25mm)	54
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

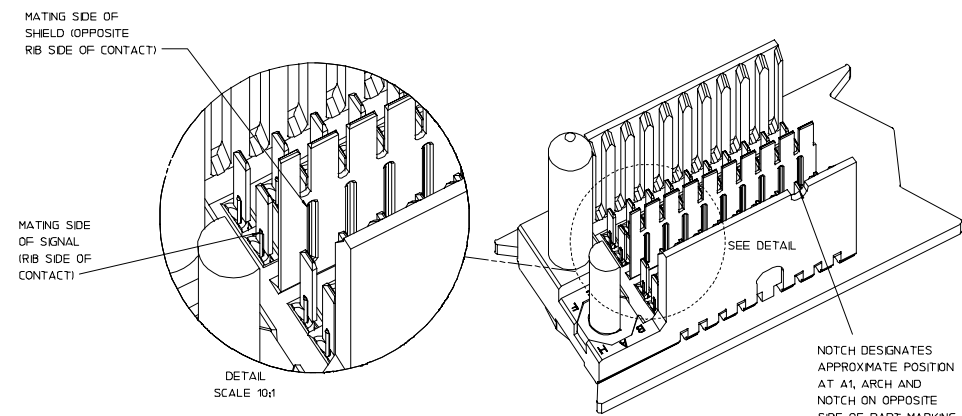
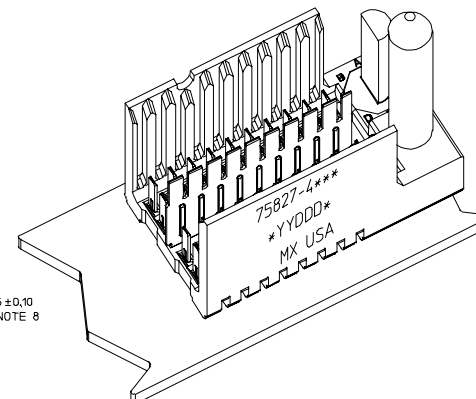
Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75827-410

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 05/14/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



- KEYING ORIENTATION COLUMNS DIM "M" PIN LENGTH

0=NONE 1=10 COL 3=3.55 mm

1=A 2=25 COL 4=4.55 mm

2=B 5=5.55 mm

ETC...

P/N 75827-(1)	---x0x	---x1x	---x2x	---x3x	---x4x	---x5x	---x6x	---x7x	---x8x
KEYING PIN ORIENTATION									

REVISED	EC NO: UCP2007-2580 DRAWN: JING-NHANG 2007/05/02 CHKD: 2007/05/02 APPR: SREED 2007/05/02	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
					mm	INCH	DIMENSION STYLE		TITLE			
						MM ONLY						
				4 PLACES	±----	±----	DRAWN BY	DATE	GBX 2-PAIR RIGHT END BACKPLANE SALES ASSEMBLY			
				3 PLACES	±----	±----	NMARTIN	2005/07/05				
REV	D		▽ 0 ◇ 0	2 PLACES	±----	±----	CHECKED BY	DATE	MOLEX INCORPORATED			
				1 PLACE	±----	±----	JMYCZEK	2005/07/05				
				ANGULAR ±-----		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
				DRAFT WHERE APPLICABLE		SREED	2005/07/05	SEE CHART	SD-75827-410	1 OF 1		
		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							D	