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Part Number: [0758614104](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073" by .073") Pitch 2-Pair GbX® Backplane L-Series Connector System, Right Guide Header, 50 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 4.55mm (.179")

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

General	
Product Family	Backplane Connectors
Series	75861
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Left Guide Header, No Keying Postion
Component Type	PCB Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical	
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Gray (Dark)
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
Number of Columns	10
Number of Pairs	2
Number of Rows	5
Orientation	Vertical
PC Tail Length (in)	0.087 In
PC Tail Length (mm)	2.20 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
Plating min: Termination (µm)	0.76
Polarized to PCB	No
Stackable	No

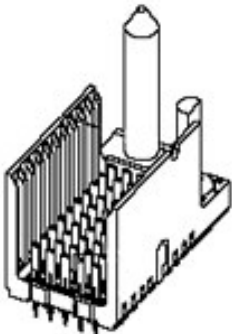


image - Reference only Series

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
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
[75861Series](#)

Mates With
[75676](#) Gbx Hybrid Daughtercard. [75671](#) GbX® L-Series 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 L Series Insertion Module	0622022450

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)	67
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

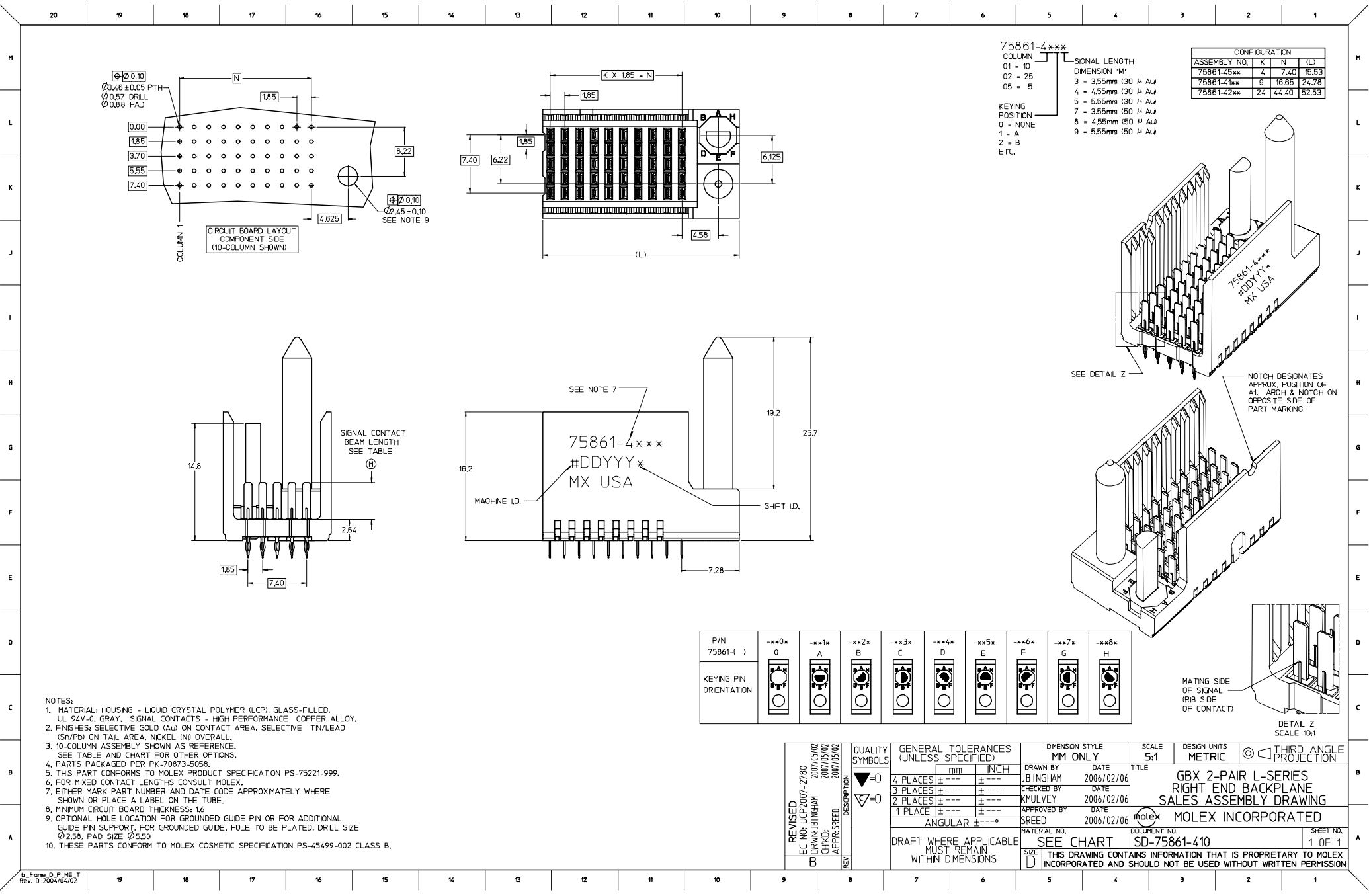
Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75861-410

GbX is a registered trademark of Amphenol Corporation.

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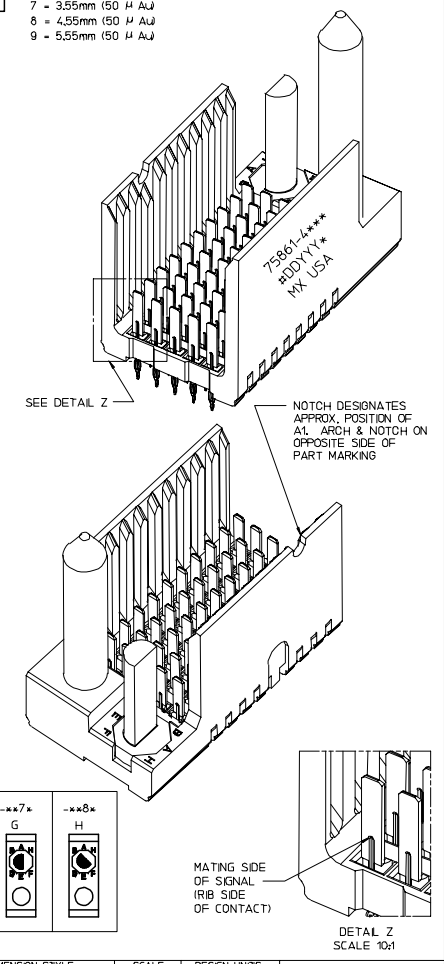
75861-4***

COLUMN
01 = 10
02 = 25
05 = 5

KEYING
POSITION
0 = NONE
1 = A
2 = B
ETC.

SIGNAL LENGTH
DIMENSION "M"
3 = 3.55mm (30 H Au)
4 = 4.55mm (30 H Au)
5 = 5.55mm (30 H Au)
7 = 3.55mm (50 H Au)
8 = 4.55mm (50 H Au)
9 = 5.55mm (50 H Au)

CONFIGURATION			
ASSEMBLY NO.	K	N	(L)
75861-45**	4	7.40	6.53
75861-41**	9	16.65	24.78
75861-42**	24	44.40	52.53



P/N 75861-4)	--x0x 0	--x1x A	--x2x B	--x3x C	--x4x D	--x5x E	--x6x F	--x7x G	--x8x H
KEYING PIN ORIENTATION									

REVISED EC NO: UCP2007-2780 DRAWN: JB INGHAM CHKD: CHKCD APPR: SREED REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY JB INGHAM	DATE 2006/02/06	TITLE GBX 2-PAIR L-SERIES RIGHT END BACKPLANE SALES ASSEMBLY DRAWING MOLEX MOLEX INCORPORATED		DOCUMENT NO. SD-75861-410
		4 PLACES ±	---	±	CHECKED BY KMULVEY	DATE 2006/02/06			
		3 PLACES ±	---	±	APPROVED BY SREED	DATE 2006/02/06			
		2 PLACES ±	---	±	ANGULAR ± [°]				
1 PLACE ±	---	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SHEET NO. 1 OF 1		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

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