

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0758324104](#)  
**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, Pin Length 4.55mm (.179"), Lead Free

**Documents:**

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

**Agency Certification**

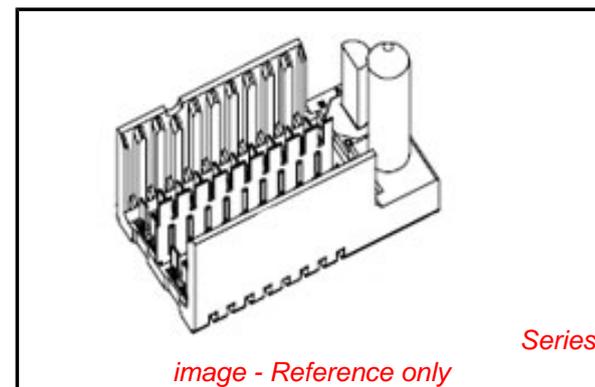
UL E29179

**General**

Product Family Backplane Connectors  
 Series [75832](#)  
 Application Backplane  
 Application Tooling Documents [Tooling Manual](http://www.molex.com/pdm_docs/ats/TM-622022099.pdf)  
 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  
 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  
 Material - Resin High Temperature Thermoplastic  
 Number of Columns 10  
 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  
 Plating min: Termination (µm) 0.76



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[75832Series](#)

**Mates With**

[75874 GbX® Daughtercard Lead-Free](#)

**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	<a href="#">0622022410</a>

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

### **Material Info**

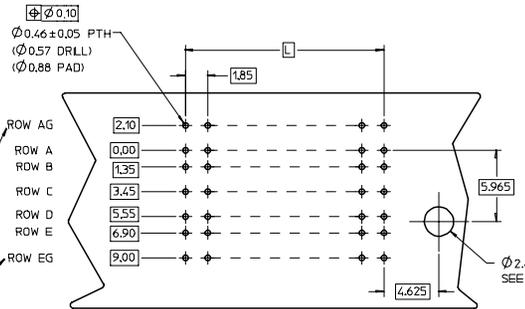
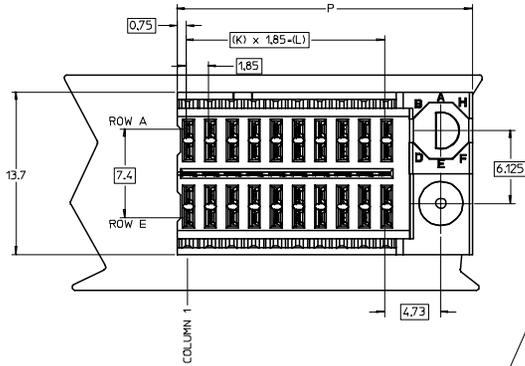
### **Reference - Drawing Numbers**

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75832-410

GbX is a registered trademark of Amphenol Corporation.

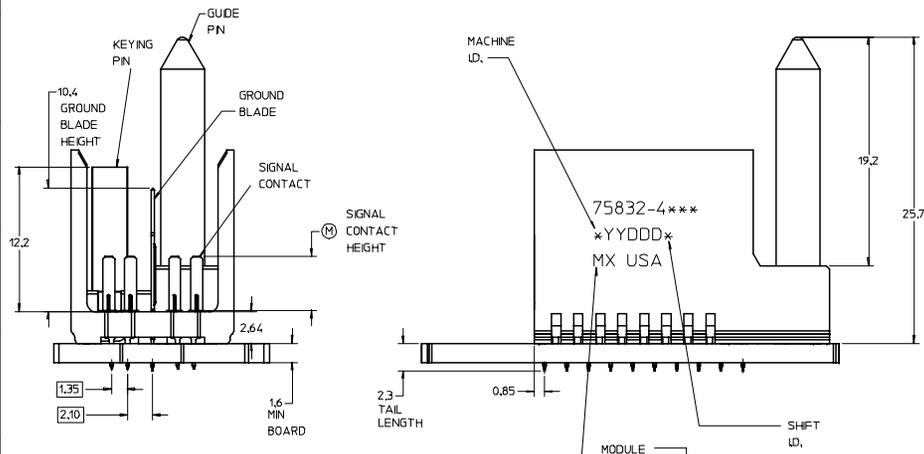
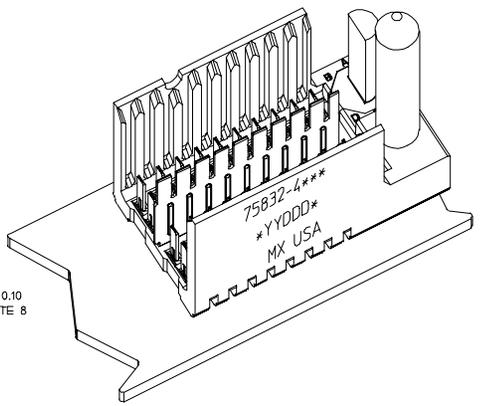
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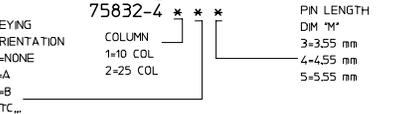


ROW AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.

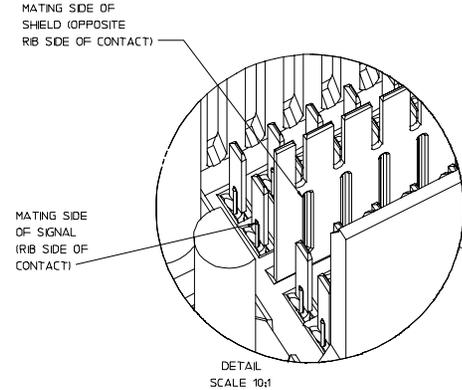
BACKPLANE HOLE PATTERN (COMPONENT SIDE-10 POS SHOWN)



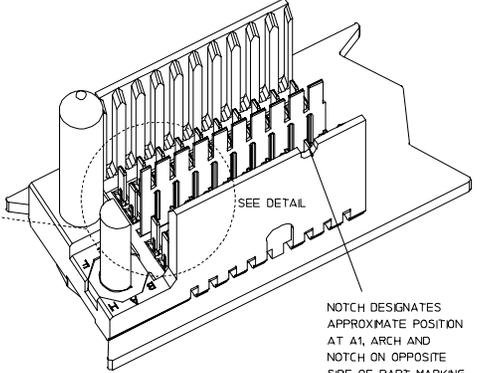
- NOTES:**
- MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0, COLOR - GRAY. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
  - FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE MATTE TIN (Sn) ON PCB TAILS, NICKEL (Ni) OVERALL.
  - THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
  - FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY. CONTACT PAIRS MUST BE THE SAME LENGTH.
  - FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
  - PACKAGE PER PK-70873-5058.
  - EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.
  - OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT. FOR GROUNDED GUIDE, HOLE TO BE PLATED, DRILL SIZE Ø2.58, PAD SIZE Ø5.50.
  - THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.



PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75832-41**	9	16,65	24,78	20
75832-42**	24	44,40	52,53	50



DETAIL SCALE 10:1



P/N	0	A	B	C	D	E	F	G	H
75832-4 1	0	A	B	C	D	E	F	G	H
KEYING PIN ORIENTATION									

LEAD-FREE PLATING ON SIGNALS, & GROUNDS.

EC NO: UCP 2007-2580 DRWN: JBINGHAM 2007/05/02 CHKD: 2007/05/02 APPR: SREED 2007/05/02 REV:	QUALITY SYMBOLS 0 1	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±--- 3 PLACES ±--- 2 PLACES ±--- 1 PLACE ±--- ANGULAR ±---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 5:1 DESIGN UNITS METRIC DIMENSION STYLE MM ONLY DRAWN BY DATE CTHOMAS 2006/01/13 CHECKED BY DATE KMULVEY 2006/01/16 APPROVED BY DATE JBINGHAM 2006/01/17	THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE GBX 2-PAIR RIGHT END BACKPLANE ASSEMBLY LEAD-FREE SALES DRAWING MOLEX MOLEX INCORPORATED MATERIAL NO. SEE CHART DOCUMENT NO. SD-75832-410 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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