

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0758322204](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073" by .073") Pitch 2-Pair GbX® Backplane Connector System, Left Guide Header, 200 Circuits, Pin Length 4.55mm (.179"), Lead Free

Documents:

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

Agency Certification

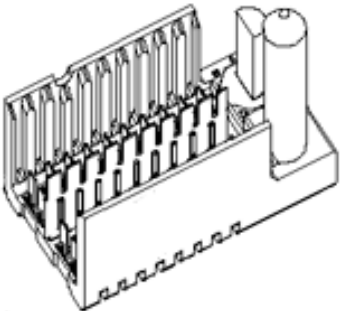
UL E29179

General

Product Family Backplane Connectors
Series [75832](#)
Application Backplane
Application Tooling Documents Tooling Manual
Component Type PCB Header
Overview [gbx_backplane_connector_system](#)
Product Name GbX®
Style N/A

Physical

Circuits (Loaded) 200
Circuits (maximum) 200
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 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
Plating min: Termination (µm) 0.76



Series

image - Reference only

EU RoHS

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

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
[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 25 Wide Differential Insertion Tool	0622022430

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
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

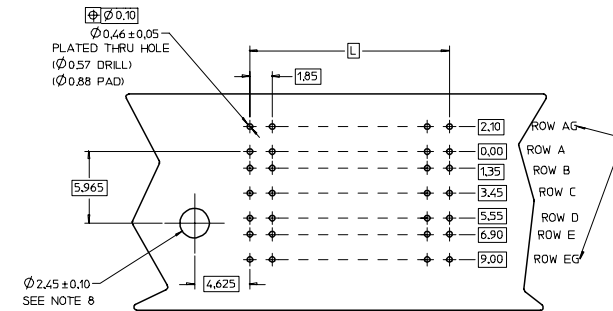
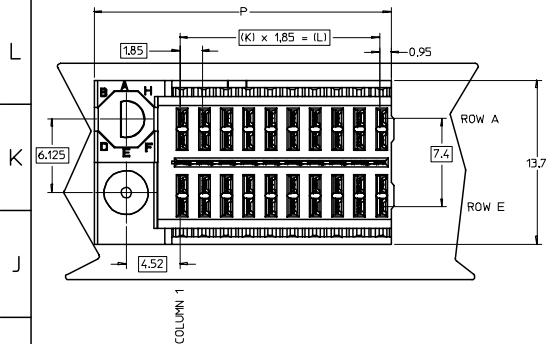
Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75832-210

GbX is a registered trademark of Amphenol Corporation.

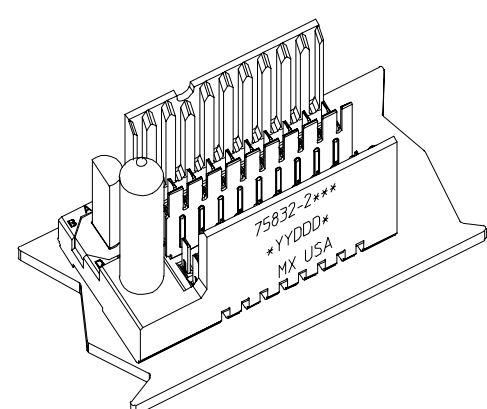
This document was generated on 05/14/2010

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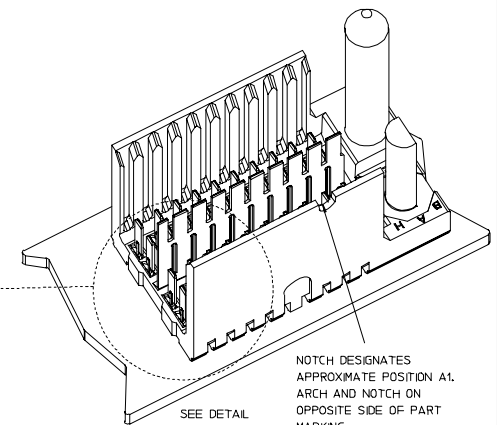
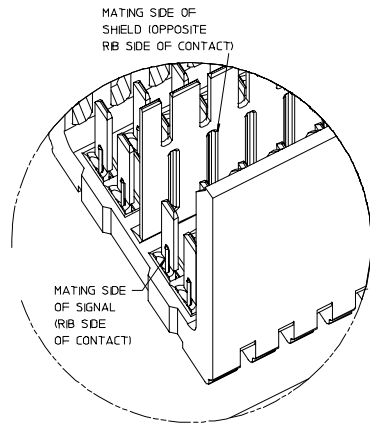
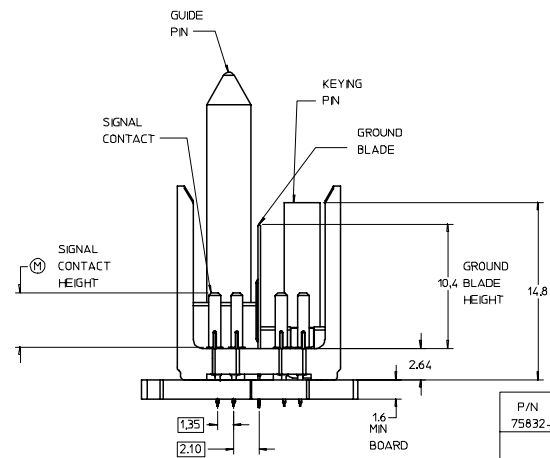
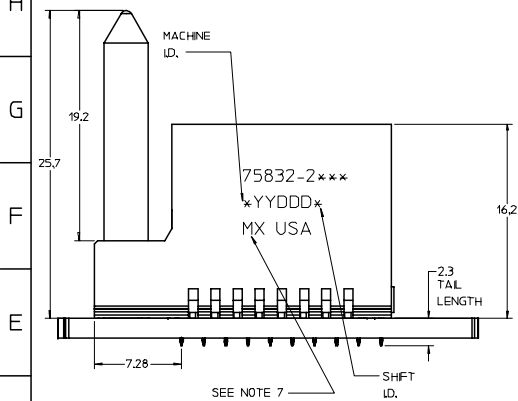
20 19 18 17 16 15 14 13 12 11 75832 9 8 7 6 5 4 3 2 1



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

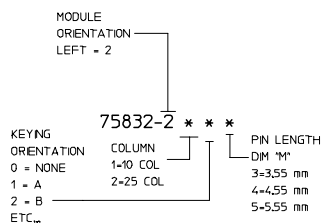


BACKPLANE HOLE PATTERN (COMPONENT SIDE-10 POS SHOWN)



PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75832-21**	9	16.65	24.78	20
75832-22**	24	44.40	52.53	50

- 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.



P/N	75832-1	75832-2	75832-3	75832-4	75832-5	75832-6	75832-7	75832-8
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G

LEAD-FREE PLATING ON SIGNALS, & GROUNDS.

REVISED EC NO: UCP 2007-2580 DRWN: JBINGHAM 2007/05/02 CHKD: 2007/05/02 APPR: SPEED 2007/05/02	QUALITY SYMBOLS 0.0 0.0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± ± 1 PLACE ± ± ANGULAR ± ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
			TITLE GBX 2-PAIR LEFT END BACKPLANE ASSEMBLY LEAD-FREE SALES DRAWING			
			MATERIAL NO. SEE CHART DOCUMENT NO. SD-75832-210 SHEET NO. 1 OF 1			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1