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Part Number: [0752374204](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 5-Pair GbX® Backplane Connector System, Right Guide Header, 250 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 4.55mm (.179")

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

Agency Certification

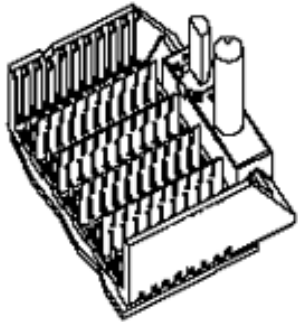
UL E29179

General

Product Family Backplane Connectors
Series [75237](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments Right Guide Header, No Keying Position
Component Type PCB Header
Overview [gbx_backplane_connector_system](#)
Product Name GbX®
Style N/A

Physical

Circuits (Loaded) 250
Circuits (maximum) 250
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 5
Number of Rows 10
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 Tray
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
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
[75237Series](#)

Mates With
[75360 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 #
Insertion Tool, GbX®	0622022050
5 pair by 25 wide	
GbX® Single Pin	0622022090
Repair Tool	
GbX® Shield	0622022100
Removal Tool	

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)	135
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

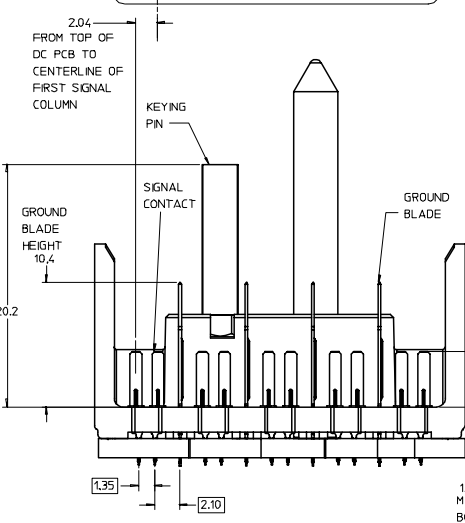
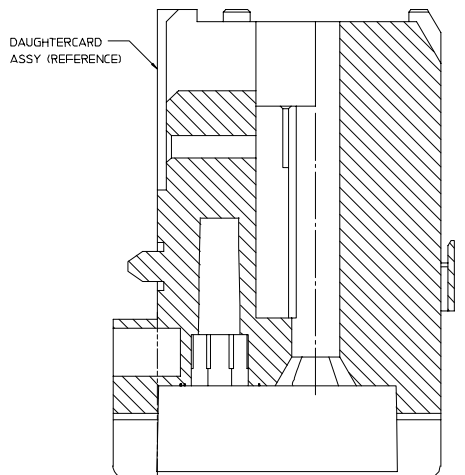
Product Specification	PS-75221-999
Sales Drawing	SD-75237-410

GbX is a registered trademark of Amphenol Corporation.

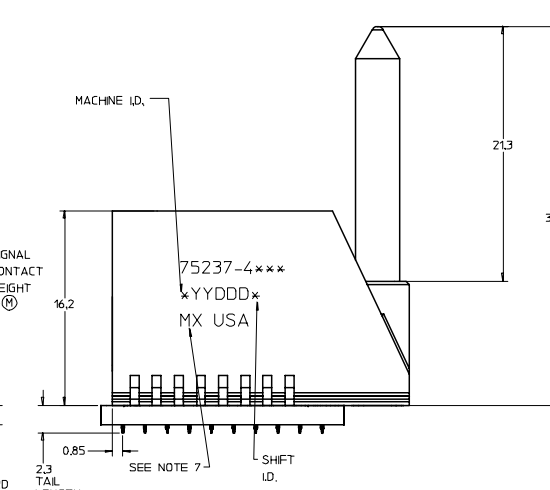
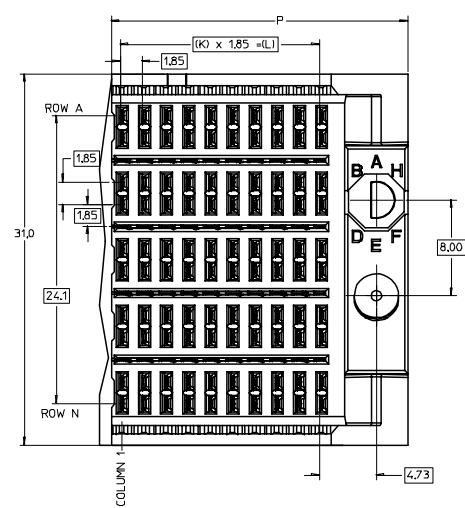
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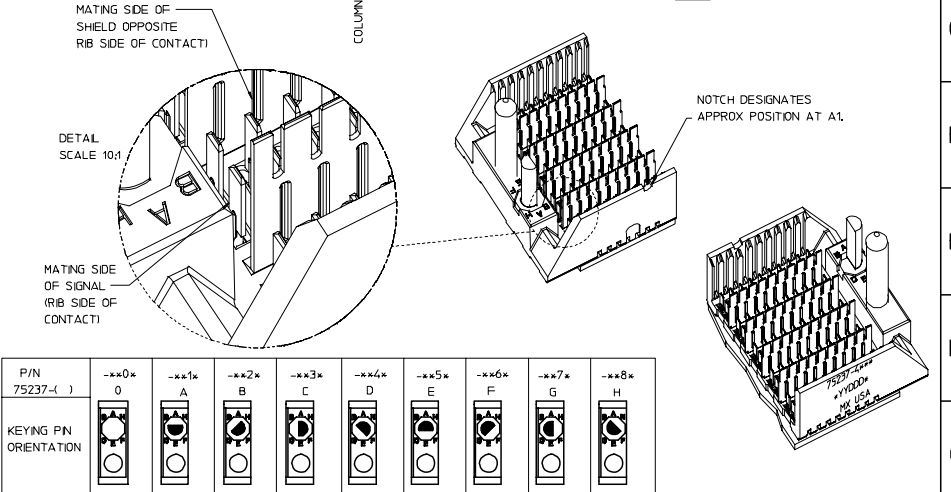
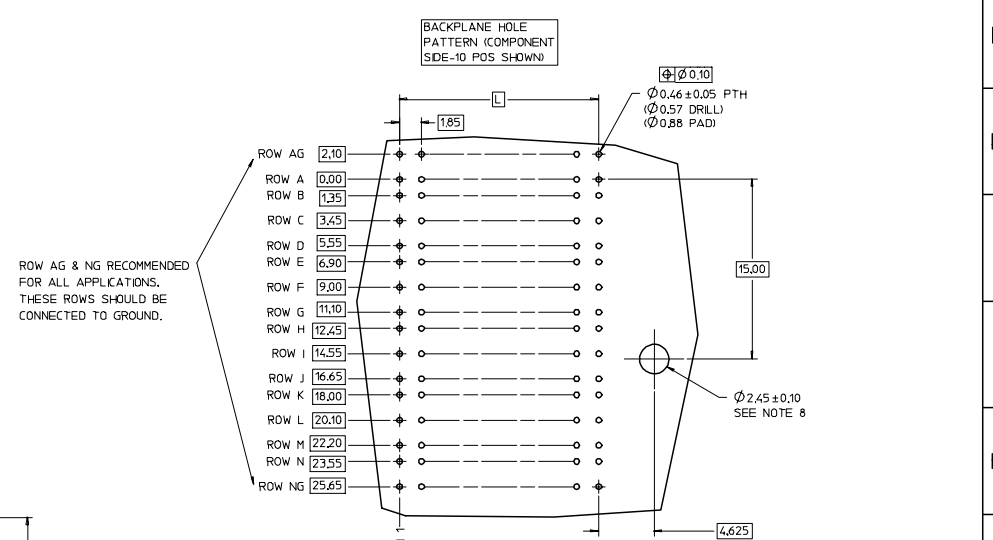


- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0. COLOR - GRAY. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS, NICKEL (Ni) OVERALL.
 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
 4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY. CONTACT PAIRS MUST BE THE SAME LENGTH.
 5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
 6. PACKAGE PER PK-70873-505.
 7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN, ON EITHER SIDE OF THE PART, OR PLACE A LABEL ON THE TUBE.
 8. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT, FOR GROUNDED GUIDE PIN, HOLE TO BE PLATED, DRILL SIZE $\varnothing 2.58$, PAD SIZE $\varnothing 5.50$
 9. 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
75237-41**	9	16.65	24.78	50
75237-42**	24	44.40	52.53	125

75237 9 8 7 6 5 4 3 2 1



P/N	-xx0*	-xx1*	-xx2*	-xx3*	-xx4*	-xx5*	-xx6*	-xx7*	-xx8*
75237-()	0	A	B	C	D	E	F	G	H
KEYING PIN ORIENTATION									

REVISED		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
EC NO: UCP2007-2827		DRAWN: JINGHAM 2007/05/10		0		mm		5:1		METRIC		0		0	
CHKD: CHKD: 2007/05/15		2		1		INCH		DATE		DATE		DATE		DATE	
APPR: SREED 2007/05/15		3		2		3		NMARTIN 2004/03/16		SREED 2004/03/16		SREED 2004/03/16		SREED 2004/03/16	
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		5		4		5		CBIXLER 2004/03/16		CBIXLER 2004/03/16		CBIXLER 2004/03/16		CBIXLER 2004/03/16	
		6		5		6		DATE		DATE		DATE		DATE	
		7		6		7		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		SHEET NO.	
		8		7		8		SEE CHART		SD-75237-410		1 OF 1		1 OF 1	
		9		8		9		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