

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0754334205](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Right Guide Header, 150 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 5.55mm (.219")

Documents:

Packaging Specification (PDF)	Product Specification PS-75221-999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

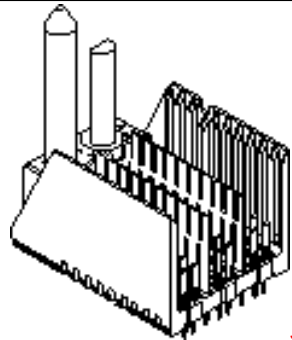
UL	E29179
----	--------

General

Product Family	Backplane Connectors
Series	75433
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)	150
Circuits (maximum)	150
Color - Resin	Black
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	3
Number of Rows	6
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



Series
image - Reference only

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



Not Reviewed

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

[75433Series](#)

Mates With

[75370 GbX® Daughtercards](#)

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® Single Pin Repair Tool	0622022090
GbX® Shield Removal Tool	0622022100
GbX® 3 Pair by 25 Wide Differential Insertion Tool	0622022530

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)	81
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

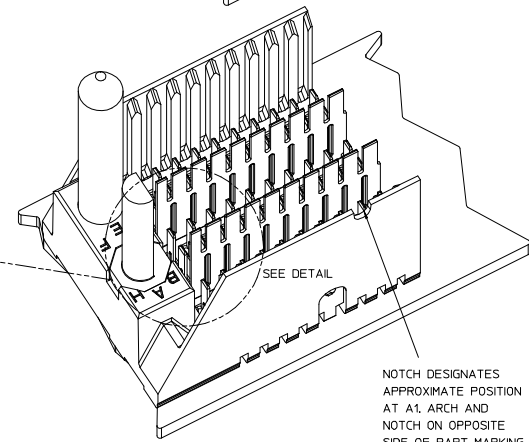
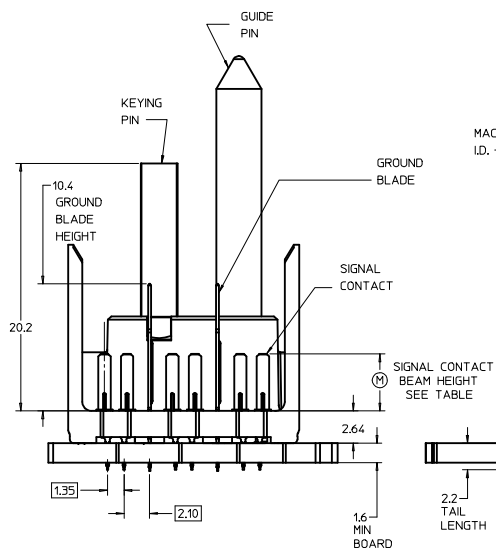
Material Info

Reference - Drawing Numbers

Product Specification	PS-75221-999
Sales Drawing	SD-75433-410

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



REVISED (MINOR)		EC NO: UCP2009-1704		2009/01/12		DRWN: JINGHAM		2009/01/12		CHKD:		2009/01/12		APPR: JLAURX		2009/01/13	
QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)						SCALE		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		REVISE ON CAD ONLY			
			mm	INCH		DIMENSION STYLE MM ONLY						TITLE					
		4 PLACES ±---	±---		±---		DRAWN BY		DATE		GBX 3-PAIR RIGHT END BACKPLANE SALES ASSEMBLY						
		3 PLACES ±---	±---		±---		NMARTIN		2005/02/20								
		2 PLACES ±---	±---		±---		CHECKED BY		DATE		MOLEX MOLEX INCORPORATED						
		1 PLACE ±---	±---		±---		SREED		2005/02/20								
ANGULAR ±---°						APPROVED BY		DATE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE						CBIXLER		2005/02/20		SEE CHART		SD-75433-410		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	

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75433-41**	9	16,65	24,78	30
75433-42**	24	44,40	52,53	75
75433-45**	4	7,40	15,53	15

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-70873-572.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN 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.