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Part Number: [0754332205](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Left Guide Header, 150 Circuits, Gold (Au) 0.76µm (30 µ"), Pin Length 5.55mm (.219")

Documents:

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

Agency Certification

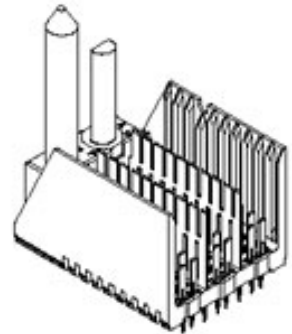
UL	E29179
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General

Product Family	Backplane Connectors
Series	75433
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Left 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

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

[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)	82
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

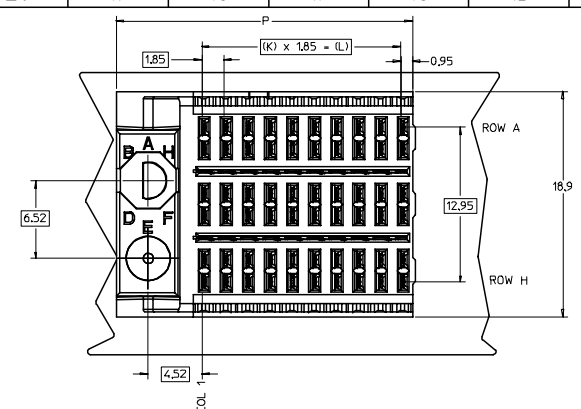
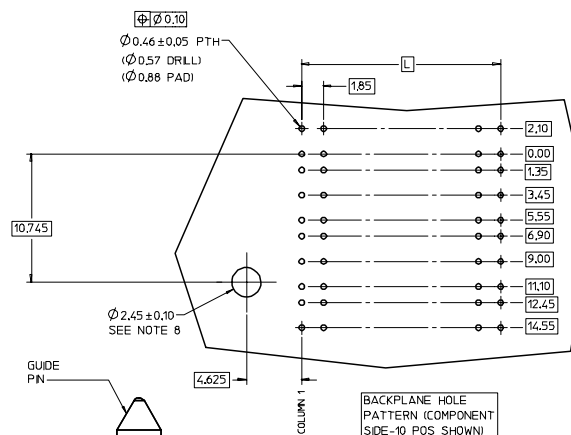
Product Specification	PS-75221-999
Sales Drawing	SD-75433-210

GbX is a registered trademark of Amphenol Corporation.

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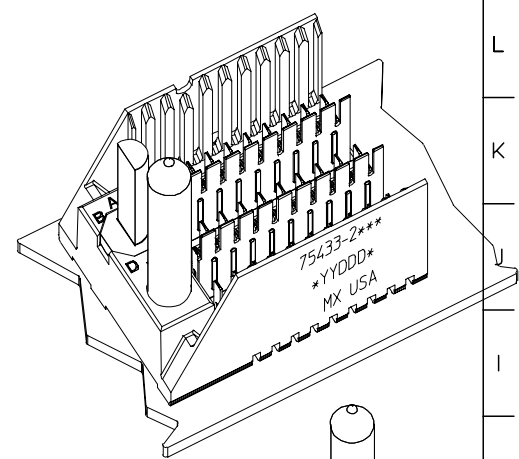
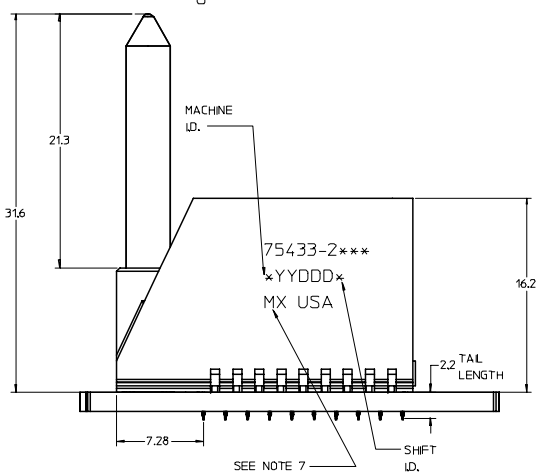
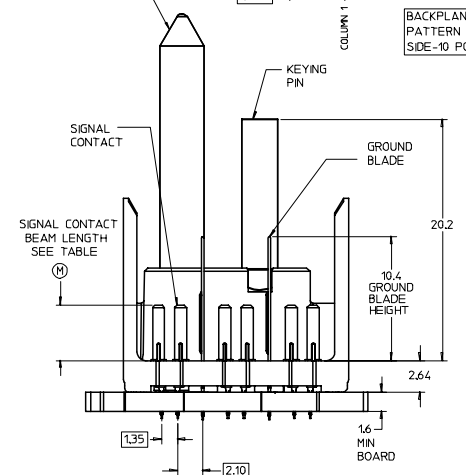
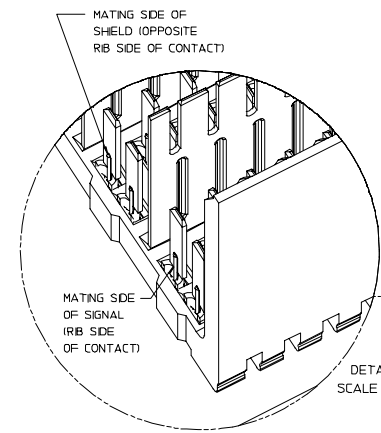
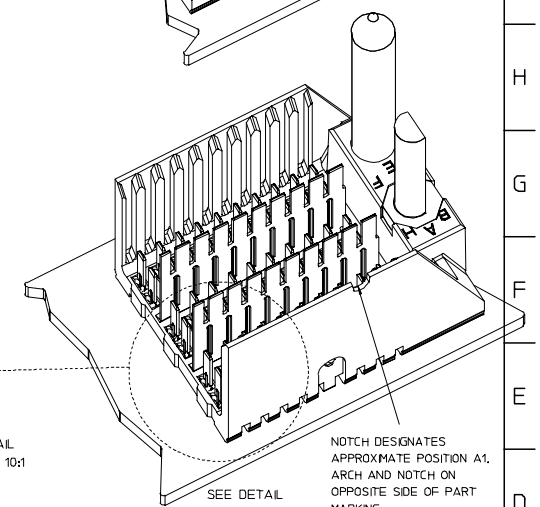
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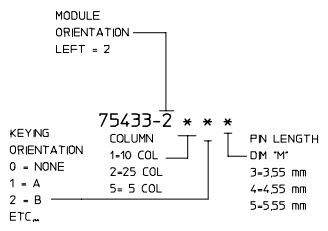
ROW AG & HG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.

ROW AG
ROW A
ROW B
ROW C
ROW D
ROW E
ROW F
ROW G
ROW H
ROW HG



PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75433-21**	9	16.65	24.78	30
75433-22**	24	44.40	52.53	75
75433-25**	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 Ø2.58, PAD SIZE Ø5.50.
 9. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.



P/N	75433-()	0	A	B	C	D	E	F	G	H
KEYING PIN ORIENTATION										

REVISED EC NO: UCP2007-2799 DRAWN: JINGHAM 2007/05/02 CHKD: 2007/05/03 APPR: SPEED 2007/05/03	DESCRIPTION REV	QUALITY SYMBOLS 0 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		B	
					DIMENSION STYLE MM ONLY			TITLE GBX 3-PAIR LEFT END BACKPLANE SALES ASSEMBLY			A
			4 PLACES	±--- ±---	DRAWN BY NMARTIN	DATE 2005/02/21		MOLEX INCORPORATED			
			3 PLACES	±--- ±---							
			2 PLACES	±--- ±---							
			1 PLACE	±--- ±---							
			ANGULAR ±---°		CHECKED BY SPEED	DATE 2005/02/21		MATERIAL NO. DOCUMENT NO. SHEET NO. 1 OF 1			
			DRAFT WHERE APPLICABLE		APPROVED BY CBIXLER	DATE 2005/02/21					
			MUST REMAIN WITHIN DIMENSIONS		SEE CHART ISD-75433-210						
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			D			

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