

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

**Part Number:** [0754330203](#)  
**Status:** **Active**  
**Overview:** [gbx\\_backplane\\_connector\\_system](#)  
**Description:** 1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Open Header, 150 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 3.55mm (.140")

**Documents:**

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

**Agency Certification**

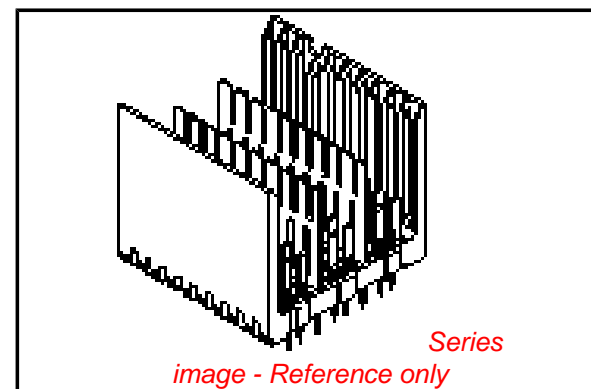
UL      E29179

**General**

Product Family      Backplane Connectors  
Series      [75433](#)  
Application      Backplane  
Application Tooling Documents      <a href="http://www.molex.com/pdm\_docs/ats/TM-622022099.pdf">Tooling Manual</a>  
Comments      Open Header  
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      No  
Keying to Mating Part      None  
Material - Metal      High Performance Alloy (HPA)  
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



**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](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**

[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	<a href="#">0622022090</a>
GbX® Shield Removal Tool	<a href="#">0622022100</a>
GbX® 3 Pair by 25 Wide Differential Insertion Tool	<a href="#">0622022530</a>

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**

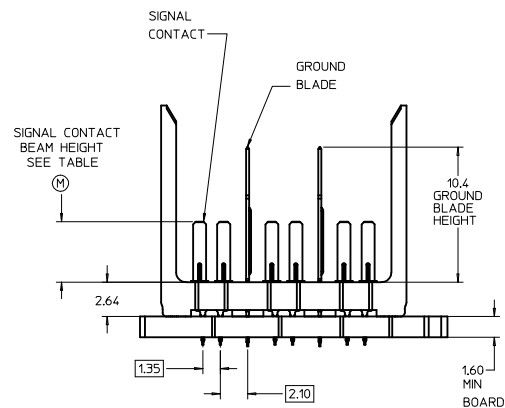
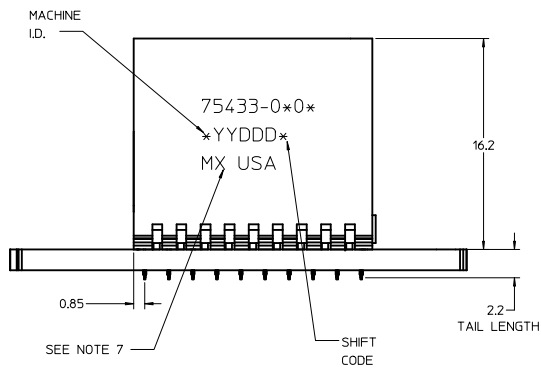
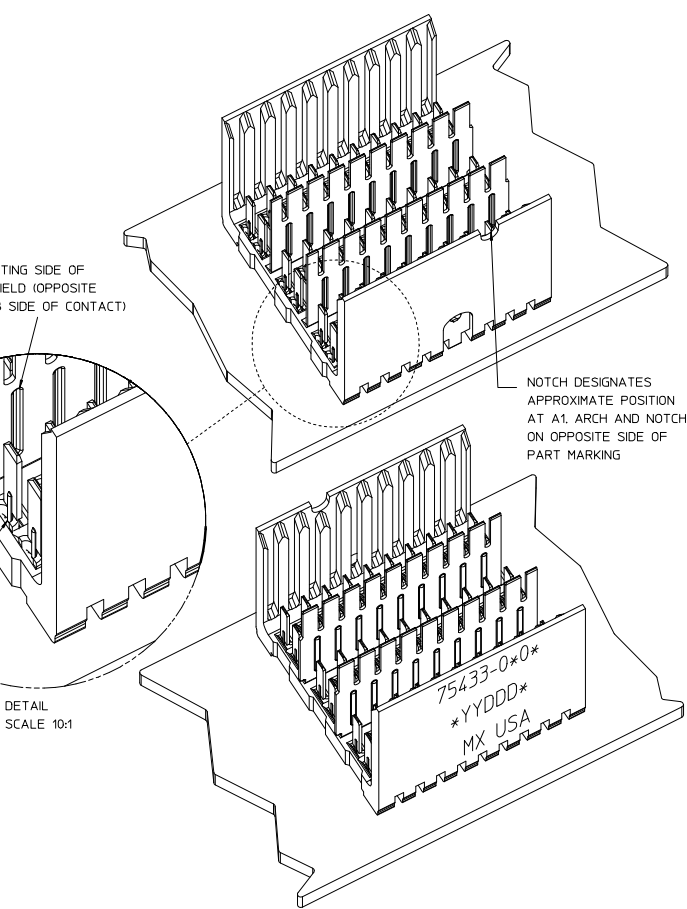
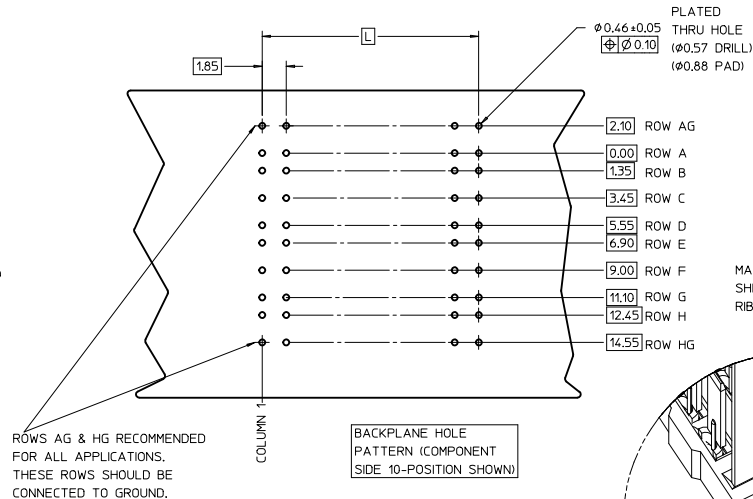
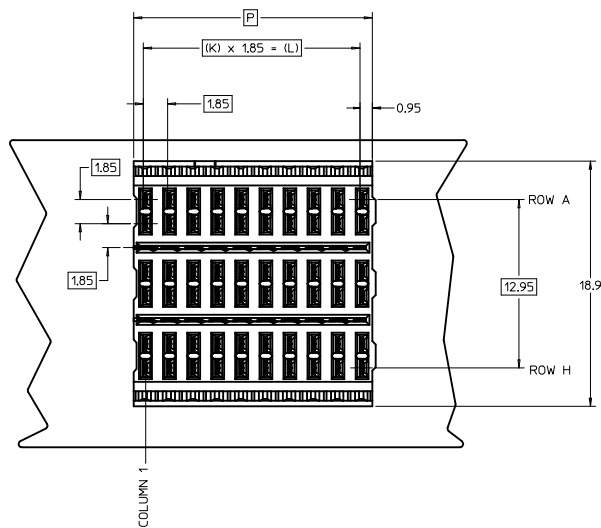
#### **Reference - Drawing Numbers**

Packaging Specification	PK-70873-576
Product Specification	PS-75221-999
Sales Drawing	SD-75433-010

GbX is a registered trademark of Amphenol Corporation.

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75433-\*\*0\*

COLUMN  
01 = 10 COL  
02 = 25 COL  
05 = 5 COL

PIN LENGTH  
DIM "M"  
3=3.55 mm  
4=4.55 mm  
5=5.55 mm

KEYING  
ORIENTATION  
OPEN = 0 (NONE)

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75433-010*	9	16.65	18.35	30
75433-020*	24	44.40	46.10	75
75433-050*	4	7.40	9.10	15

- 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 TIN/LEAD (SnPb) 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-70873-576.
  - EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.

REVISED (MINOR) EC NO: UCP2010-1307 DRWN: JBINGHAM 2009/11/23 CHKD: JJONIAK 2009/11/23 APPR: JLAURX 2009/11/24 B2	QUALITY SYMBOLS ▼ 0 △ 0	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE mm INCH 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 NMARTIN DATE 2004/02/09 CHECKED BY SREED DATE 2004/02/09 APPROVED BY JLAURX DATE 2009/11/24	THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE GBX 3-PAIR OPEN END BACKPLANE SALES ASSEMBLY MOLEX MOLEX INCORPORATED MATERIAL NO. SEE CHART DOCUMENT NO. SD-75433-010 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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