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Part Number: [0754650503](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073" by .073") Pitch 4 Pair GbX® Backplane L-Series Connector System, Open Header, 55 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 3.55mm (.140")

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

Agency Certification

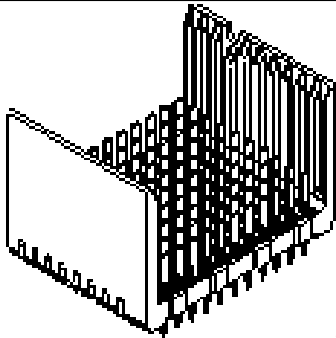
UL E29179

General

Product Family Backplane Connectors
Series [75465](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments Open Header
Component Type PCB Header
Overview [gbx_backplane_connector_system](#)
Product Name GbX®
Style N/A

Physical

Circuits (Loaded) 55
Circuits (maximum) 55
Color - Resin Gray (Dark)
Durability (mating cycles max) 250
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 5
Number of Pairs 4
Number of Rows 11
Orientation Vertical
PC Tail Length (in) 0.087 In
PC Tail Length (mm) 2.20 mm
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 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
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 30
Plating min: Termination (µm) 0.76
Polarized to PCB Yes



Series
image - Reference only

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free
Status
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
[75465Series](#)

Mates With
GbX® Daughtercards [75420](#) , [75426](#)

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® Backplane 4 Pair By 5 Wide L Series Insertion Tool	0622022015
GbX® Single Pin Repair Tool	0622022090

Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	149
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

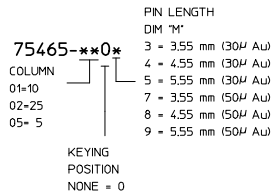
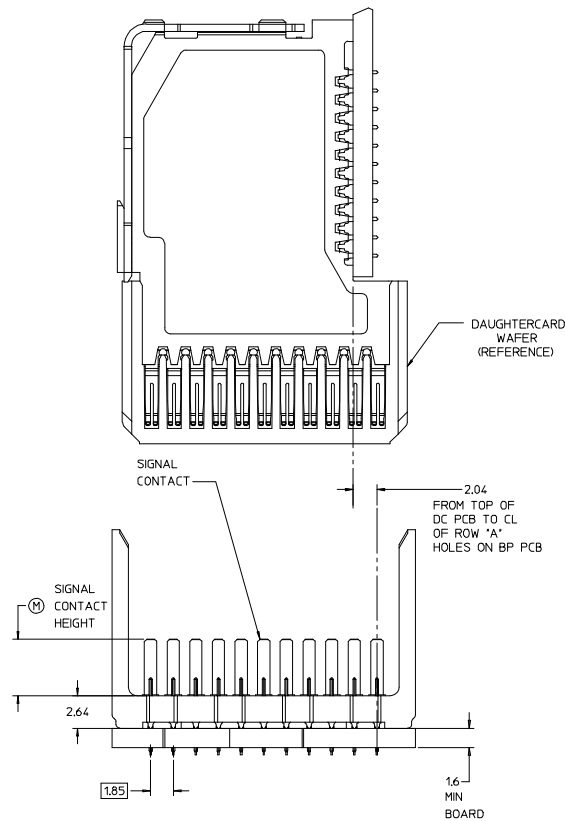
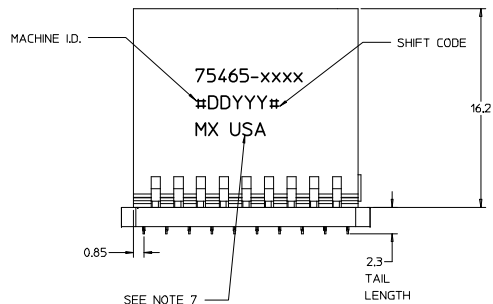
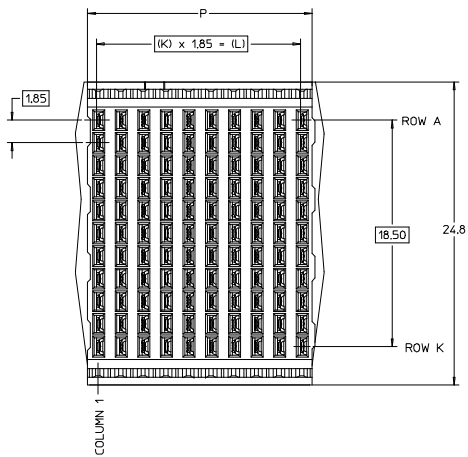
Packaging Specification	PK-70873-563
Product Specification	PS-75221-999
Sales Drawing	SD-75465-010

GbX is a registered trademark of Amphenol Corporation.

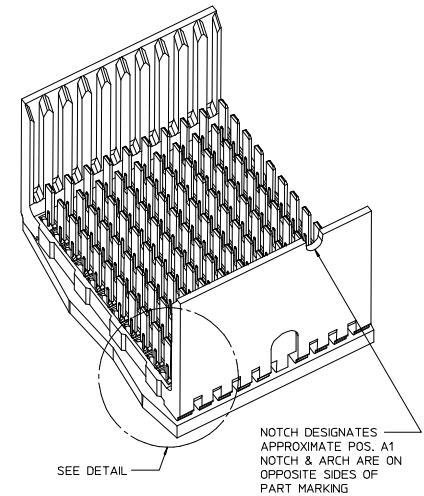
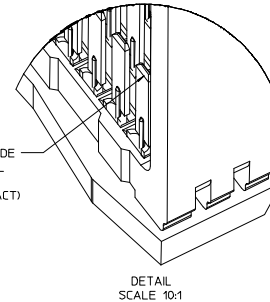
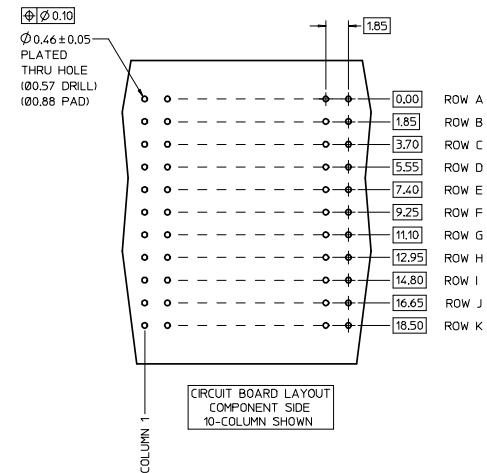
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20 19 18 17 16 15 14 13 12 11 75465 9 8 7 6 5 4 3 2 1



PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF CONTACTS
75465-010*	9	16.65	18.35	110
75465-020*	24	44.40	46.10	275
75465-050*	4	7.40	9.10	55



NOTES:

1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0, COLOR - GRAY. SIGNAL CONTACT - 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.
5. 10 COLUMN 4 PAIR L-SERIES SHOWN FOR ILLUSTRATION PURPOSES ONLY.
6. PACKAGE PER PK-70873-563.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.
8. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

REVISED (MINOR) EC NO: UCP2008-2538 DRAWN: BINGHAM 2008/04/15 CHKD: 2008/04/16 APPR: LAURX 2008/04/25 A3	DESCRIPTION REV	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION REVISE ON CAD ONLY	TITLE GBX 4-PAIR L-SERIES OPEN END BACKPLANE SALES ASSEMBLY DRAWING MOLEX MOLEX INCORPORATED		
				mm	INCH	DIMENSION STYLE MM ONLY					
			4 PLACES	± ---	± ---	DRAWN BY	DATE				
			3 PLACES	± ---	± ---	NMARTIN	2004/05/13				
			2 PLACES	± 0.13	± ---	CHECKED BY	DATE				
			1 PLACE	± 0.25	± ---	SREED	2004/05/13				
			ANGULAR ± ---°			APPROVED BY	DATE				
DRAFT WHERE APPLICABLE			CBIXLER	2004/05/13		MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75465-010	SHEET NO. 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		

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