

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0754650104

Status:

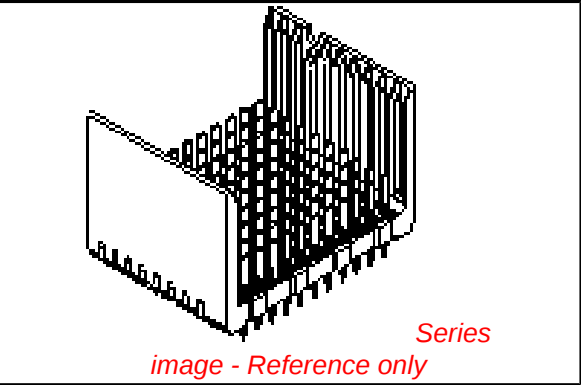
Active

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, 110 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	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)	110
Circuits (maximum)	110
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	10
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

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

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	0622022025
Pair By 10 Wide L	
Series Insertion Tool	
GbX® Single Pin	0622022090
Repair Tool	

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

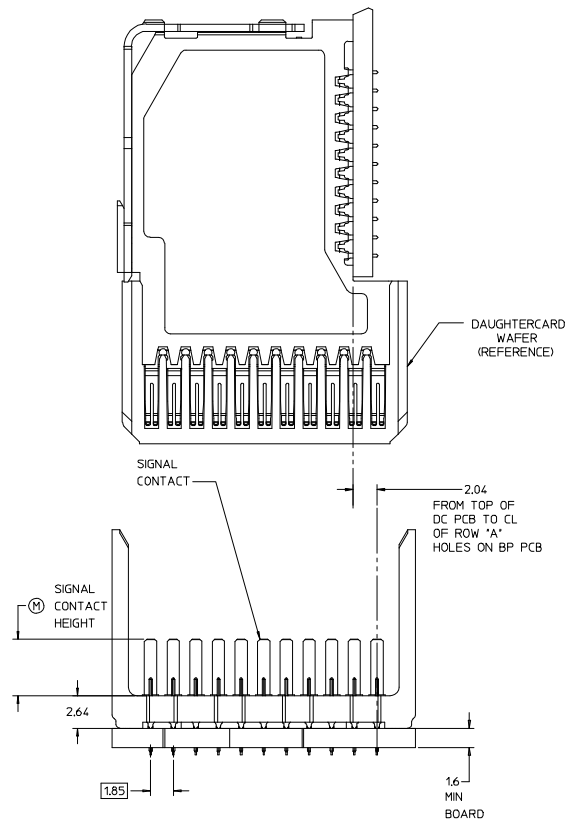
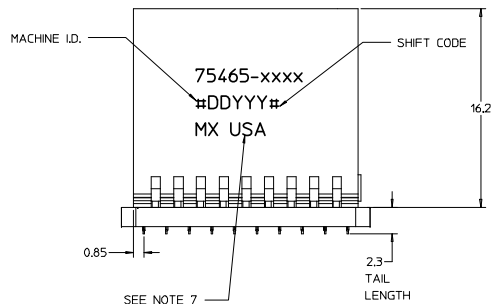
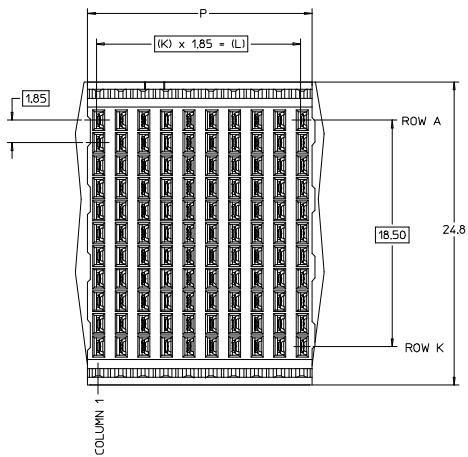
Packaging Specification	PK-70873-563
Product Specification	PS-75221-999
Sales Drawing	SD-75465-010

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 05/14/2010

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

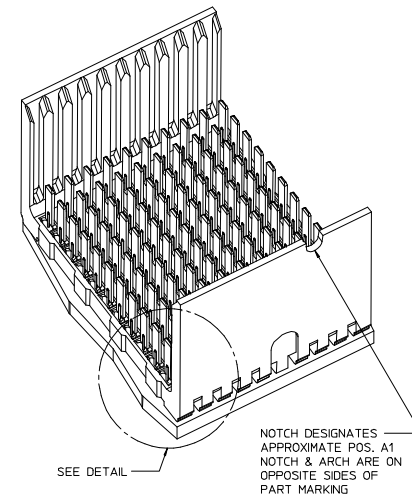
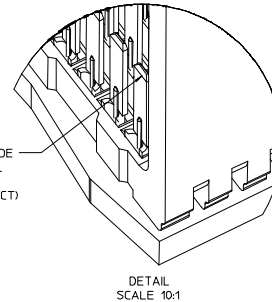
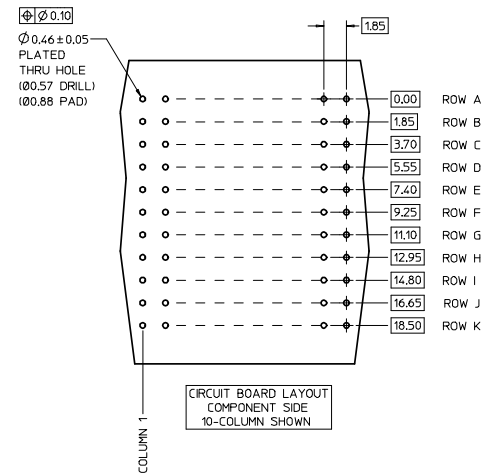


75465-***0*		PIN LENGTH DIM "M"
COLUMN	KEYING POSITION	
01-10	NONE = 0	3 = 3.55 mm (30µ Au)
02-25		4 = 4.55 mm (30µ Au)
05 = 5		5 = 5.55 mm (30µ Au)
		7 = 3.55 mm (50µ Au)
		8 = 4.55 mm (50µ Au)
		9 = 5.55 mm (50µ Au)

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.

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



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