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Part Number:

0754650204

Status:

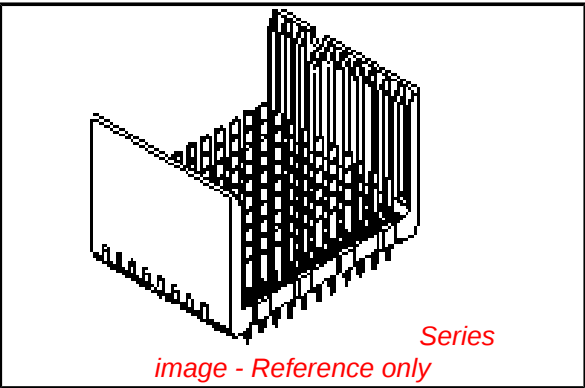
Active

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, 275 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)	275
Circuits (maximum)	275
Color - Resin	Gray (Dark)
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	4
Number of Rows	11
Orientation	Vertical
PC Tail Length (in)	0.091 In
PC Tail Length (mm)	2.30 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 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
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

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](#)

Plating min: Termination (μin)	30
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)	149
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

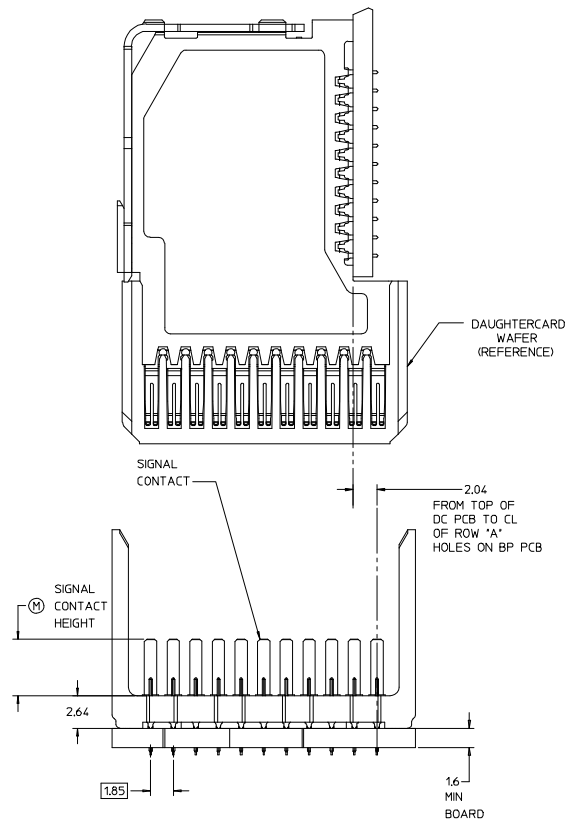
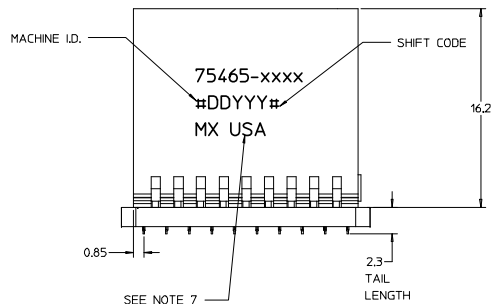
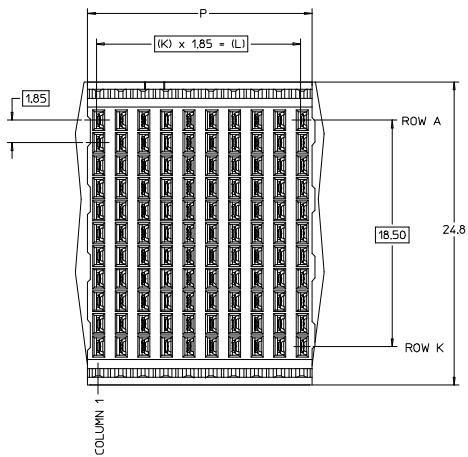
Packaging Specification	PK-70873-563
Product Specification	PS-75221-999
Sales Drawing	SD-75465-010

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

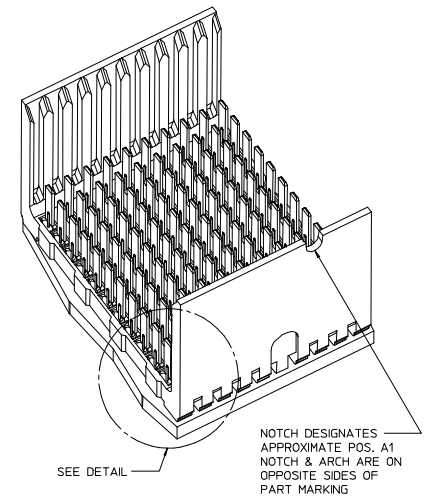
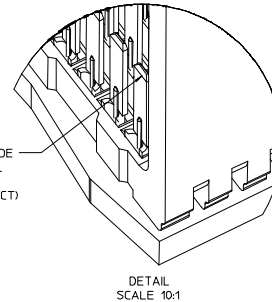
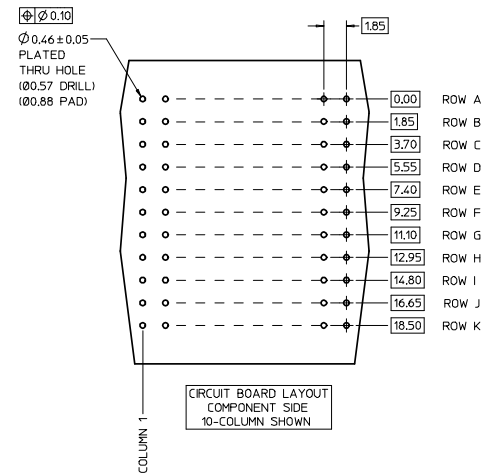


75465-***0*		PIN LENGTH DIM "M"
COLUMNS 01-10 02-25 05- 5	3	3.55 mm (30µ Au)
	4	4.55 mm (30µ Au)
	5	5.55 mm (30µ Au)
	7	3.55 mm (50µ Au)
	8	4.55 mm (50µ Au)
	9	5.55 mm (50µ Au)
KEYING POSITION NONE = 0		

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: LAURX 2008/04/25 A3		▽ = 0 ▽ = 0				DIMENSION STYLE MM ONLY		TITLE GBX 4-PAIR L-SERIES OPEN END BACKPLANE SALES ASSEMBLY DRAWING MOLEX MOLEX INCORPORATED					
				mm INCH									
				4 PLACES ± --- ± ---		DRAWN BY DATE							
				3 PLACES ± --- ± ---		NMARTIN 2004/05/13							
				2 PLACES ± 0.13 ± ---		CHECKED BY DATE							
DESCRIPTION		REV		1 PLACE ± 0.25 ± ---		SREED 2004/05/13							
				ANGULAR ± --- °									
				DRAFT WHERE APPLICABLE		APPROVED BY DATE		MATERIAL NO. DOCUMENT NO.		SHEET NO.			
						CBIXLER 2004/05/13		SEE CHART SD-75465-010		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