

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0754650105

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 5.55mm (.219")

Documents:

Drawing (PDF)

Product Specification PS-75221-999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

75465

Backplane

Tooling Manual

Open Header

PCB Header

gbx_backplane_connector_system

GbX®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

110

110

Gray (Dark)

250

No

94V-0

No

None

High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

10

4

11

Vertical

0.087 In

2.20 mm

Yes

0.062 In

1.60 mm

Tray

0.073 In

1.85 mm

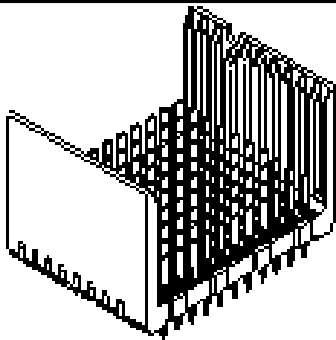
30

0.76

30

0.76

Yes



Series
image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS

50

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 Pair By 10 Wide L Series Insertion Tool	0622022025
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

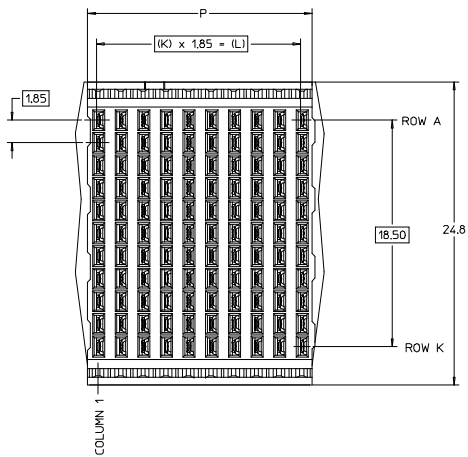
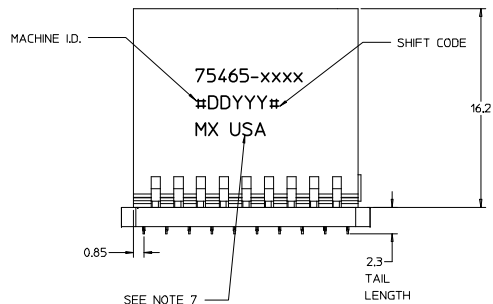
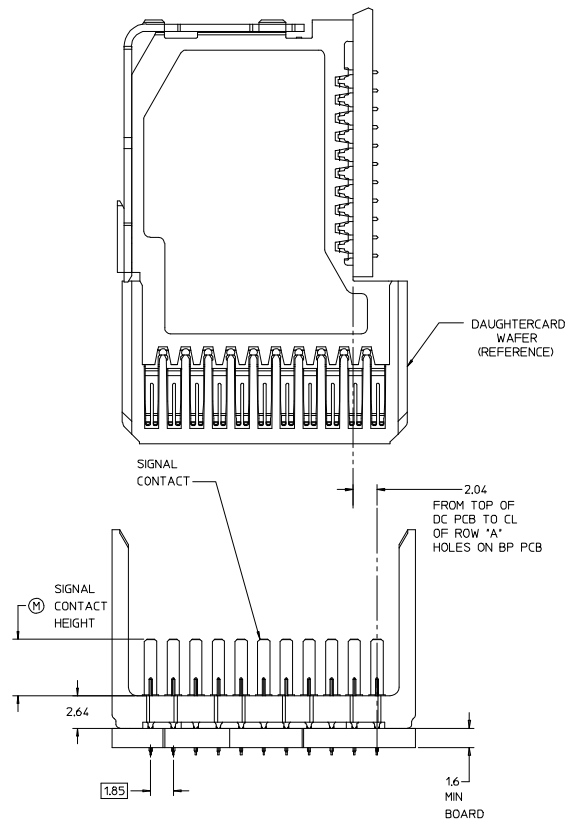
Packaging Specification	PK-70873-563
Product Specification	PS-75221-999
Sales Drawing	SD-75465-010

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 05/14/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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



75465-***0*

COLUMN

01-10

02-25

05- 5

PIN LENGTH DIM "M"

3 = 3.55 mm (30μ Au)

4 = 4.55 mm (30μ Au)

5 = 5.55 mm (30μ Au)

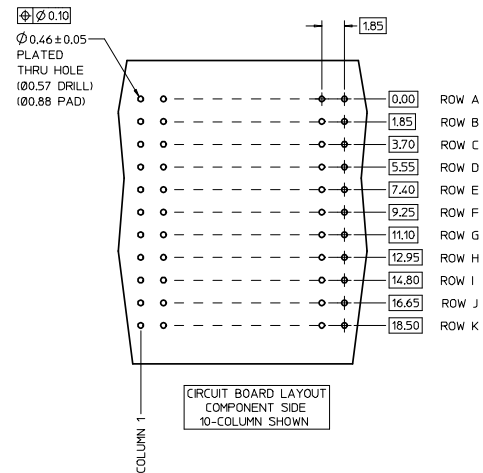
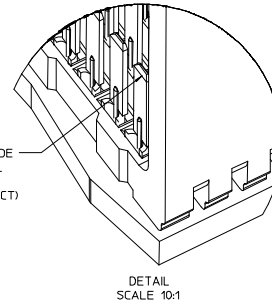
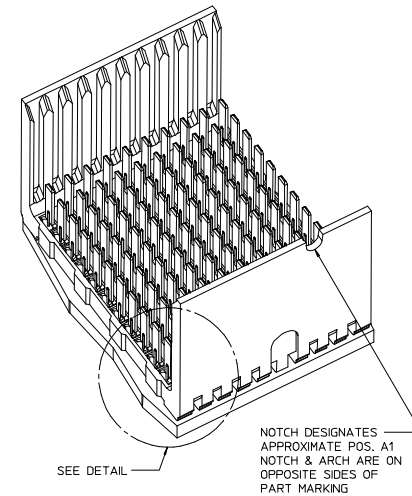
7 = 3.55 mm (50μ Au)

8 = 4.55 mm (50μ Au)

9 = 5.55 mm (50μ Au)

KEYING POSITION NONE = 0

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: LAJURX 2008/04/25 A3		QUALITY SYMBOLS ▽ = 0 ◇ = 0 REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION REVISE ON CAD ONLY	TITLE	
			mm	INCH	DIMENSION STYLE MM ONLY			GBX 4-PAIR L-SERIES OPEN END BACKPLANE SALES ASSEMBLY DRAWING	
			4 PLACES ± ---	± ---	DRAWN BY	DATE			
			3 PLACES ± ---	± ---	NMARTIN	2004/05/13			
			2 PLACES ± 0.13	± ---	CHECKED BY	DATE	MOLEX	MOLEX INCORPORATED	
			1 PLACE ± 0.25	± ---	SREED	2004/05/13			
			ANGULAR ± ---°		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
			DRAFT WHERE APPLICABLE		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