This document was generated on 05/14/2010

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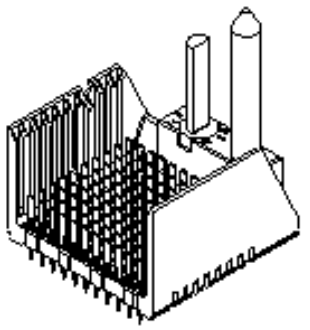
Part Number: 0754654503
Status: Active
Overview: gbx_backplane_connector_system
Description: 1.85mm by 1.85mm (.073" by .073") Pitch 4-Pair GbX® Backplane L-Series Connector System, Right Guide Header, 55 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 3.55mm (.140")



Series image - Reference only

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	Right Guide Header, No Keying Position
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)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA), Stainless Steel
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)	0.091 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 | **China RoHS**
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
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

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

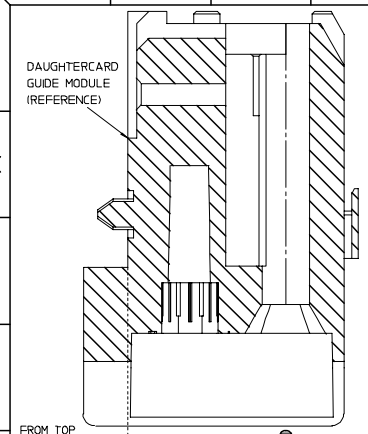
Current - Maximum per Contact	1A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	148
Shield Type	N/A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

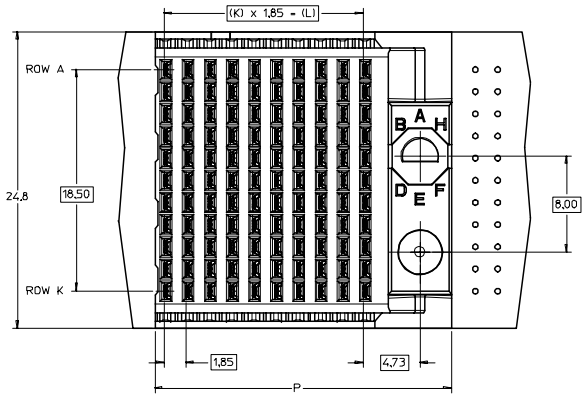
Material Info

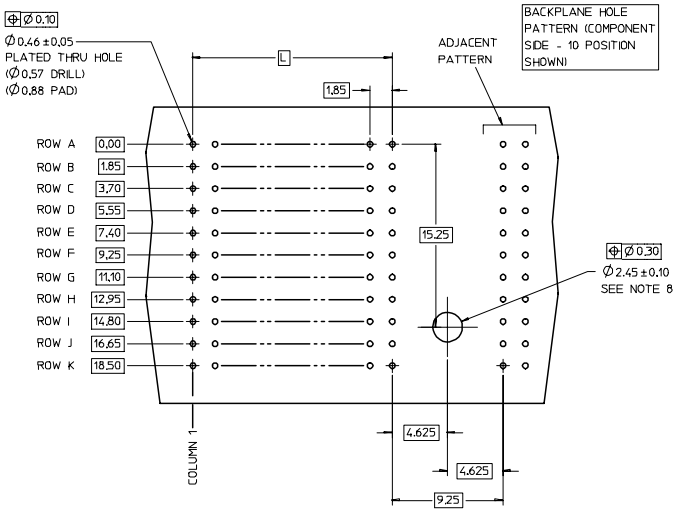
Reference - Drawing Numbers

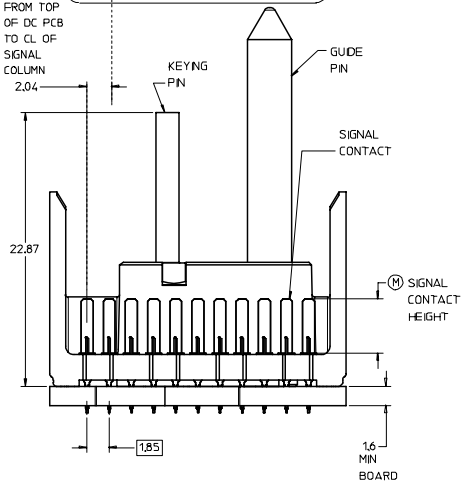
Packaging Specification	PK-70873-563
Product Specification	PS-75221-999
Sales Drawing	SD-75465-410

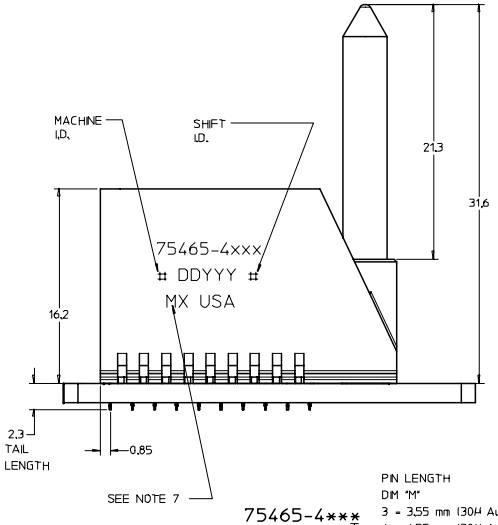
GbX is a registered trademark of Amphenol Corporation.



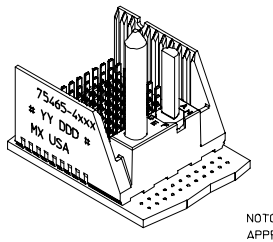


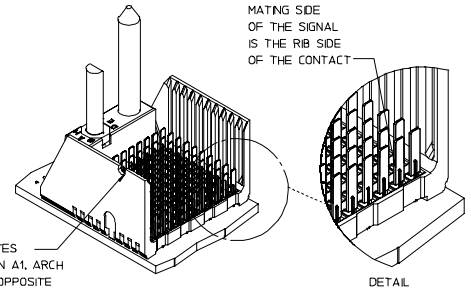






P/N 75465-( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H





75465-4***

COLUMN
41=10 COL
42=25 COL
45= 5 COL

KEYING POSITION
NONE = 0
1 = A
2 = B
ETC.

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)

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. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
6. PACKAGE PER PK-70873-563.
7. MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.
8. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT. FOR GROUNDED GUIDE PIN, HOLE TO BE PLATED, DRILL SIZE Ø2,58, PAD SIZE Ø5,50
9. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF CONTACTS
75465-41**	9	16,65	24,78	110
75465-42**	24	44,40	52,53	275
75465-45**	4	7,40	15,53	55

REVISED
EC NO: UCP2007-2809
DRWN: JBINGHAM 2007/05/07
CHKD: APPR: SREED 2007/05/07 2007/05/08
DESCRIPTION
REV
B

QUALITY SYMBOLS
▼ 0
▽ C 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR	±---°	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SCALE 5:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM ONLY

TITLE
GBX 4-PAIR L-SERIES
RIGHT END BACKPLANE
SALES ASSEMBLY DRAWING

DRAWN BY NMARTIN DATE 2004/12/20
CHECKED BY SREED DATE 2004/12/20
APPROVED BY CBIXLER DATE 2004/12/20
MOLEX INCORPORATED
MATERIAL NO. SEE CHART
DOCUMENT NO. SD-75465-410
SHEET NO. 1 OF 1

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Rev. B1 2000/08/01