

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0752370103

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073 by .073") Pitch 5-Pair GbX® Backplane Connector System, Open Header, 100 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 3.55mm (.140")

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

75237

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 Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

100

100

Gray (Dark)

200

No

94V-0

No

None

High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

10

5

10

Vertical

0.091 In

2.30 mm

No

Yes

0.063 In

1.60 mm

Tray

0.073 In

1.85 mm

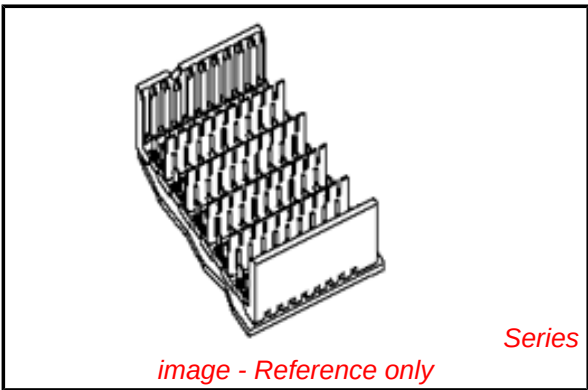
0.073 In

1.85 mm

30

0.76

30



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

75237Series

Mates With

75360 GbX® Daughtercard

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 #
Insertion Tool, GbX®	0622022030
5 pair by 10 wide	
Insertion Tool, GbX®	0622022040
5 pair by 20 wide	
GbX® Single Pin	0622022090
Repair Tool	
GbX® Shield	0622022100
Removal Tool	

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)	135
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

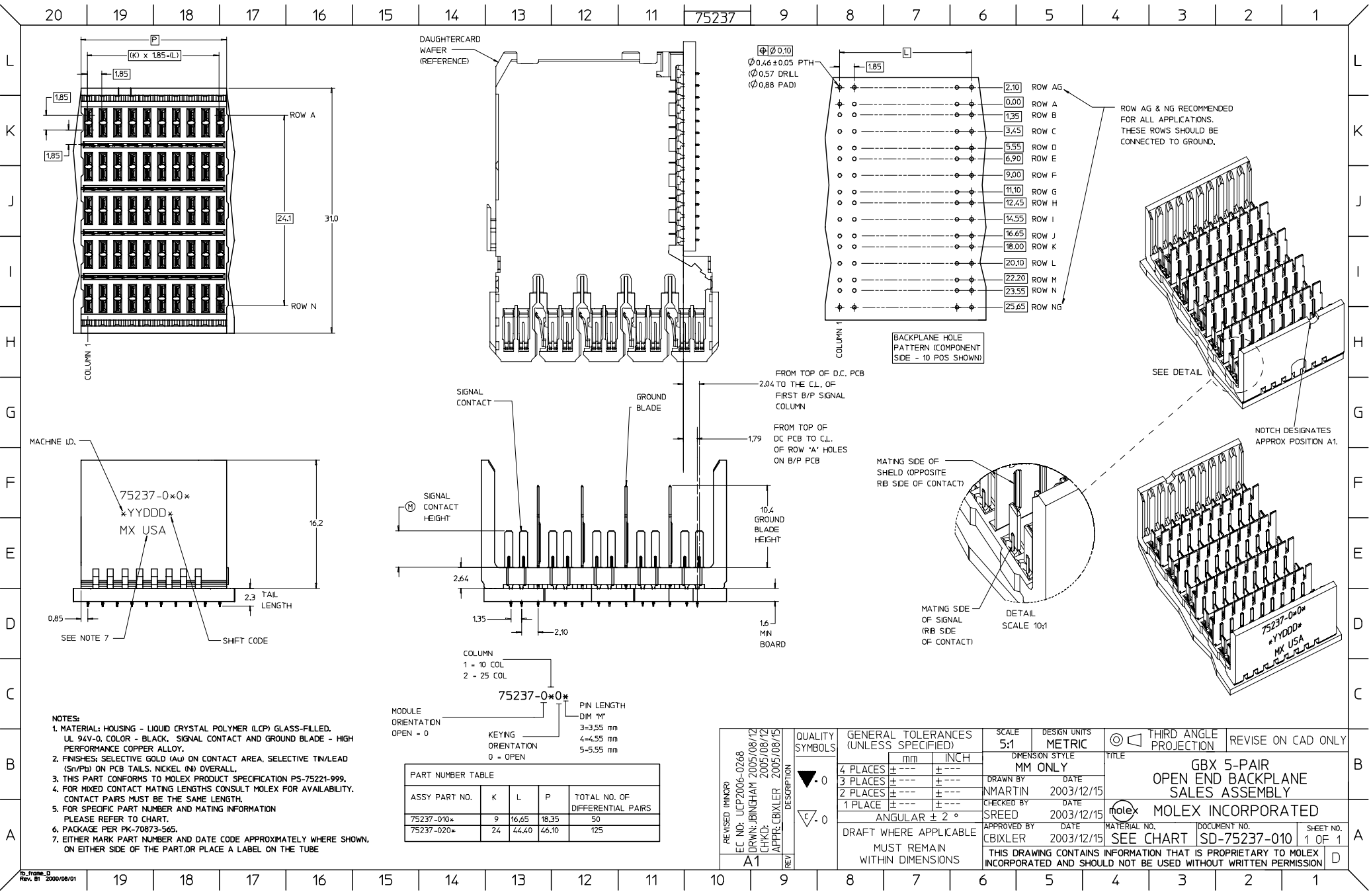
Reference - Drawing Numbers

Packaging Specification	PK-70873-565
Product Specification	PS-75221-999
Sales Drawing	SD-75237-010

GbX is a registered trademark of Amphenol Corporation.

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- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED.
UL 94V-0. COLOR - BLACK. SIGNAL CONTACT AND GROUND BLADE - 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. CONTACT PARS MUST BE THE SAME LENGTH.
 6. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
 7. PACKAGE PER PK-70873-565.
 8. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN, ON EITHER SIDE OF THE PART OR PLACE A LABEL ON THE TUBE

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75237-010*	9	16.65	18.35	50
75237-020*	24	44.40	46.10	125

REVISED (MINOR) EC NO: UCP2006-0268 DRWN: JINGHAM 2005/08/12 CHKD: 2005/08/12 APPR: CBIXLER 2005/08/15 A1	QUALITY SYMBOLS 0 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				SCALE 5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	B
							DIMENSION STYLE MM ONLY			TITLE GBX 5-PAIR OPEN END BACKPLANE SALES ASSEMBLY MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	DRAWN BY NMARTIN	DATE 2003/12/15					
			3 PLACES	± ---	± ---							
			2 PLACES	± ---	± ---							
			1 PLACE	± ---	± ---							
ANGULAR ± 2 °				CHECKED BY SREED		DATE 2003/12/15			MATERIAL NO. DOCUMENT NO. SHEET NO. 1 OF 1			A
DRAFT WHERE APPLICABLE				APPROVED BY CBIXLER		DATE 2003/12/15						
MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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