

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0753417444

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073 by .073") Pitch 4-Pair GbX® Backplane Connector System, Power Module, 12 Circuits, 1.27µm (50µ") Gold (Au)

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-75221-999 (PDF)

Agency Certification

UL

E29179

General

Product Family

Backplane Connectors

Series

75341

Application

Backplane

Application Tooling Documents

Tooling Manual

Comments

Blade Length A 7.50mm, B 4.50mm, C 4.50mm, D 4.50mm

Component Type

Power Header

Overview

gbx_backplane_connector_system

Product Name

GbX®

Style

N/A

Physical

Circuits (Loaded)

8

Circuits (maximum)

8

Circuits Detail

Rows A, B, C, & D

Color - Resin

Gray

Durability (mating cycles max)

200

First Mate / Last Break

Yes

Flammability

94V-0

Guide to Mating Part

No

Keying to Mating Part

None

Material - Plating Mating

Gold

Material - Plating Termination

Tin-Lead

Material - Resin

High Temperature Thermoplastic

Number of Columns

N/A

Number of Pairs

4

Number of Rows

4

Orientation

Vertical

PC Tail Length (in)

0.089 In

PC Tail Length (mm)

2.28 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.063 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Tube

Pitch - Mating Interface (in)

0.073 In

Pitch - Mating Interface (mm)

1.85 mm

Pitch - Term. Interface (in)

0.102 In

Pitch - Term. Interface (mm)

2.60 mm

Plating min: Mating (µin)

50

Plating min: Mating (µm)

1.25



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

75341Series

Mates With

75292 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 Module, GbX® 4 pair 1- Up Power Module	0622022005
GbX® Single Pin Repair Tool	0622022090
GbX® Shield Removal Tool	0622022100

Plating min: Termination (μin)	30
Plating min: Termination (μm)	0.75
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	6A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	0
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification	PS-75221-999
Sales Drawing	SD-75341-001

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 05/14/2010
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ADDED NOTES 9 & 10 EC NO: UCP2008-0426 DRAWN: STEWART 2007/08/29 CHKD: 2007/08/30 APPR: J. B. INGHAM 2007/08/31	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE GBX 4 PAIR BACKPLANE POWER SALES ASSEMBLY MOLEX INCORPORATED SD-75341-001 1 OF 4			
				mm	INCH	DRAWN BY ELO	DATE 2006/04/06						
			4 PLACES	± ---	± ---	CHECKED BY ELO	DATE 2005/02/22						
			3 PLACES	± ---	± ---	APPROVED BY CUNNINGHAM	DATE 2005/02/23						
			2 PLACES	± ---	± ---								
			1 PLACE	± ---	± ---								
			ANGULAR ± ---°										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-75341-001		SHEET NO. 1 OF 4				
					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1



2-UP ASSEMBLY PART NUMBER

7 5 3 4 2 - A B C D

- TIN/LEAD PLATED PRODUCT -
FOR EACH ROW LOCATION A, B, C, D:

0 = VOID
4 = 4.5 mm WIPE
6 = 6.0 mm WIPE
7 = 7.5 mm WIPE

- LEAD-FREE PLATED PRODUCT -
FOR EACH ROW LOCATION A, B, C, D:

0 = VOID
2 = 4.5 mm WIPE
3 = 6.0 mm WIPE
5 = 7.5 mm WIPE



SEE SHEET 1 FOR ADDITIONAL INFORMATION
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

SEE SHEET ONE EC NO: UCP2008-0426 DRAWN: STEWART 2007/08/29 CHKD: 2007/08/30 APPR: J. B. INGHAM 2007/08/31	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm		INCH		DRAWN BY ELO	DATE 2006/04/06	GBX 4 PAIR BACKPLANE POWER SALES ASSEMBLY MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---	ELO	2005/02/22						
			2 PLACES	± ---	± ---	APPROVED BY	DATE						
			1 PLACE	± ---	± ---	CUNNINGHAM	2005/02/23						
			ANGULAR ± ---°				MATERIAL NO.	DOCUMENT NO.	SHEET NO. 2 OF 4				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		SD-75341-001				
							SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
REV													

9 8 7 6 5 4 3 2 1



COLUMN 1
COLUMN 2
COLUMN 3
COLUMN 4
COLUMN 5
COLUMN 6

SEE NOTE 4.



SEE NOTE 8.

3-UP ASSEMBLY PART NUMBER

7 5 3 4 3 - A B C D

- TIN/LEAD PLATED PRODUCT -

FOR EACH ROW LOCATION A, B, C, D:

0 = VOID

4 = 4.5 mm WIPE

6 = 6.0 mm WIPE

7 = 7.5 mm WIPE

- LEAD-FREE PLATED PRODUCT -

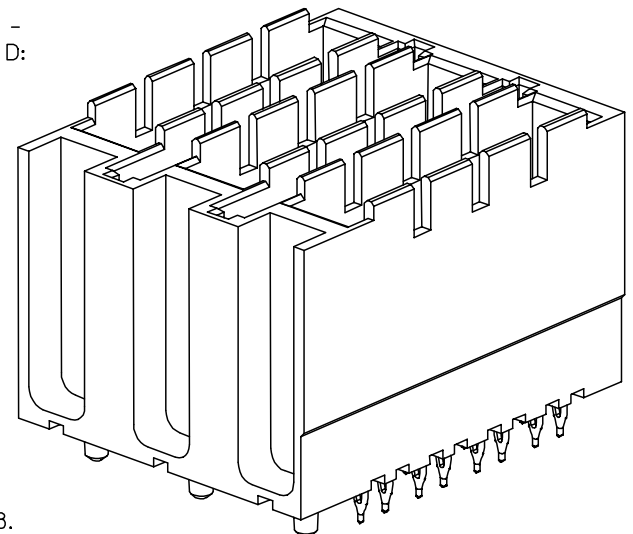
FOR EACH ROW LOCATION A, B, C, D:

0 = VOID

2 = 4.5 mm WIPE

3 = 6.0 mm WIPE

5 = 7.5 mm WIPE



SEE SHEET 1 FOR ADDITIONAL INFORMATION
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

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			ANGULAR ± ---°		MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART		SD-75341-001		3 OF 4	
				SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



SEE NOTE 5.

6.0 mm WIPE
7.5 mm WIPE
4.5 mm WIPE

0.76
DC BOARD EDGE TO
CENTERLINE OF BP TAIL

0.15

HOLE PATTERN FOR 1-UP ASSEMBLY

- 1.) ADD 7.40 FROM CENTERLINES OF PEGS FOR MULTIPLE UP ASSEMBLIES.
- 2.) ADD 5.55 FROM CENTERLINE TO CENTERLINE OF PEG FOR INDIVIDUAL POWER MODULES STACKED NEXT TO EACH OTHER.



ADDED $\varnothing 0.74 \pm 0.06$ EC NO: UCP2008-0426 DRAWN: STEWART 2007/08/29 CHKD: 2007/08/30 APPR: J. BINGHAM 2007/08/31	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
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			2 PLACES	± ---	± ---							
			1 PLACE	± ---	± ---	MATERIAL NO.	DOCUMENT NO.	SHEET NO. 4 OF 4				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE PREVIOUS		SD-75341-001				
REV C	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY ELO	DATE 2006/04/06	TITLE GBX 4 PAIR BACKPLANE POWER SALES ASSEMBLY				
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			3 PLACES	± ---	± ---	APPROVED BY CUNNINGHAM						DATE 2005/02/23
			2 PLACES	± ---	± ---			MATERIAL NO.	DOCUMENT NO.	SHEET NO. 4 OF 4		
			1 PLACE	± ---	± ---	SEE PREVIOUS		SD-75341-001				
			ANGULAR ± ---°									
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