

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0758324203

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073" by .073") Pitch 2-Pair GbX® Backplane Connector System, Right Guide Header, 100 Circuits, Pin Length 3.55mm (.139"), Lead Free

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

Component Type

Overview

Product Name

Style

Backplane Connectors

75832

Backplane

Tooling Manual

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)

Plating min: Termination (µm)

100

100

Gray

200

No

94V-0

Yes

None

High Performance Alloy (HPA), Stainless Steel

Gold

Tin

High Temperature Thermoplastic

25

2

4

Vertical

0.091 In

2.30 mm

No

Yes

0.063 In

1.60 mm

Tube

0.073 In

1.85 mm

0.073 In

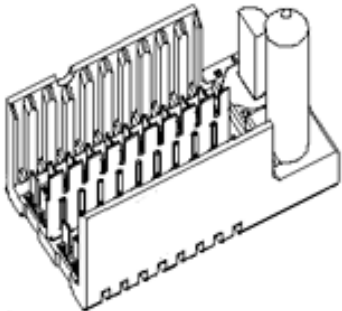
1.85 mm

30

0.76

30

0.76



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS

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
75832Series

Mates With
75874 GbX® Daughtercard Lead-Free

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® 2 Pair by 25

0622022430

Wide Differential

Insertion Tool

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
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75832-410

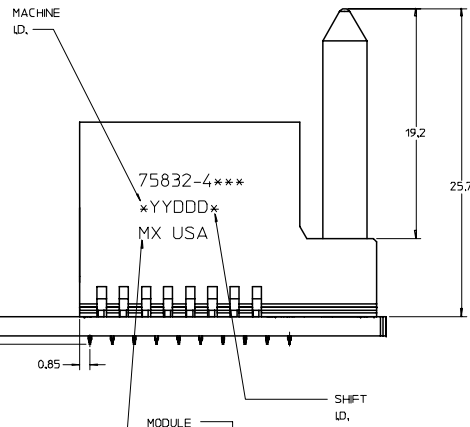
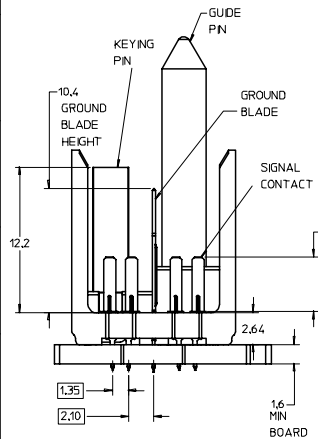
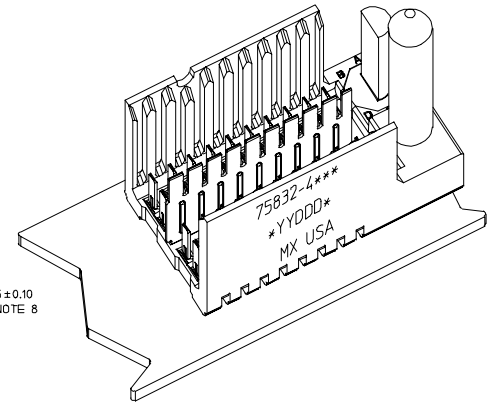
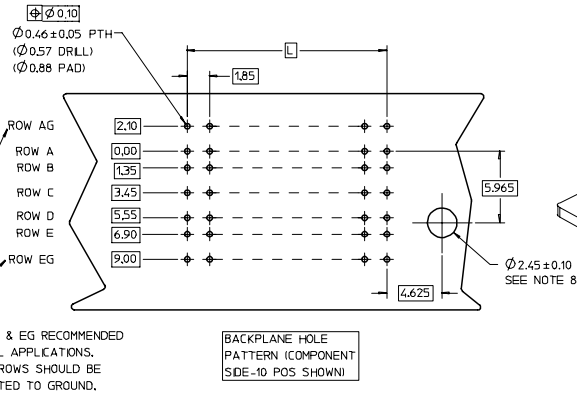
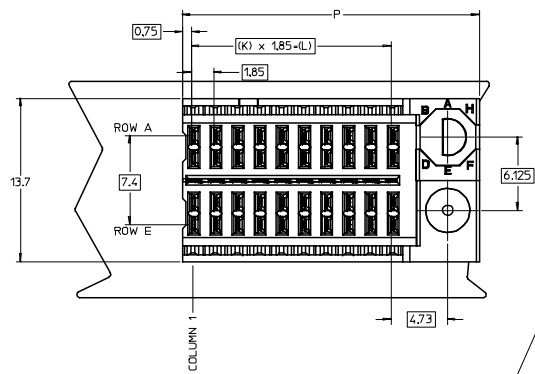
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This document was generated on 05/14/2010

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20 19 18 17 16 15 14 13 12 11 75832 9 8 7 6 5 4 3 2 1

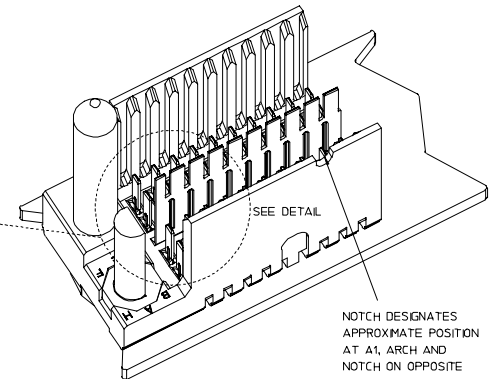
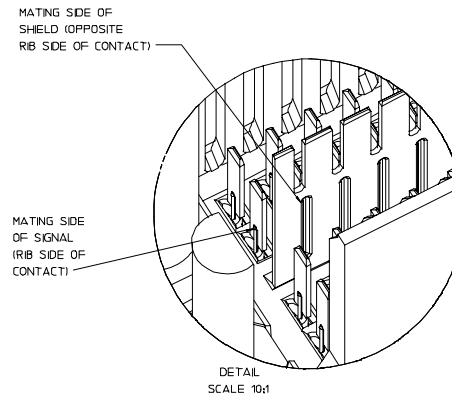
L
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- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0, COLOR - GRAY. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE MATTE TIN (Sn) ON PCB 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. CONTACT PAIRS MUST BE THE SAME LENGTH.
 5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
 6. PACKAGE PER PK-70873-5058.
 7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.
 8. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT. FOR GROUNDED GUIDE, 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.

75832-4 ***
YYDDD
MX USA

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75832-41**	9	16.65	24.78	20
75832-42**	24	44.40	52.53	50



NOTCH DESIGNATES APPROXIMATE POSITION AT A1, ARCH AND NOTCH ON OPPOSITE SIDE OF PART MARKING.

P/N	75832-4	75832-4	75832-4	75832-4	75832-4	75832-4	75832-4	75832-4	75832-4
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H

LEAD-FREE PLATING ON SIGNALS, & GROUNDS.

REVISED	EC NO: UCP2007-2580 DRAWN: JINGHAM 2007/05/02 CHKD: 2007/05/02 APPR: SPEED 2007/05/02	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS		THIRD ANGLE	REVISE ON CAD ONLY		B		
						5:1	METRIC		PROJECTION					
						DIMENSION STYLE			TITLE					
						MM ONLY			GBX 2-PAIR RIGHT END BACKPLANE ASSEMBLY LEAD-FREE SALES DRAWING					
						DRAWN BY DATE			MOLEX MOLEX INCORPORATED					
						CTHOMAS 2006/01/13								
B		REV	0			CHECKED BY DATE					A			
						KMULVEY 2006/01/16			MATERIAL NO.	DOCUMENT NO.		SHEET NO.		
						APPROVED BY DATE			SEE CHART	SD-75832-410		1 OF 1		
						JBINGHAM 2006/01/17	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					D		
						DRAFT WHERE APPLICABLE								
						MUST REMAIN WITHIN DIMENSIONS								

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1