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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

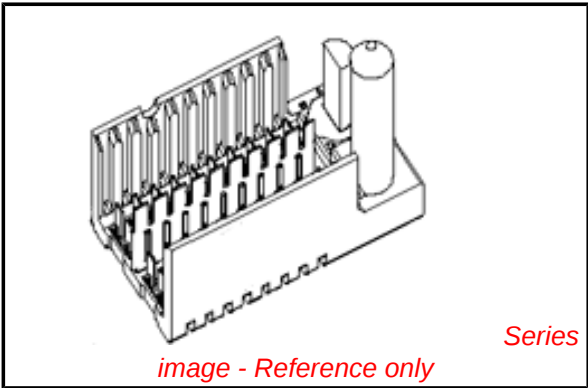
Documents:

Drawing (PDF)

Product Specification PS-75221-999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
UL	E29179
General	
Product Family	Backplane Connectors
Series	75832
Application	Backplane
Application Tooling Documents	Tooling Manual
Component Type	PCB Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A
Physical	
Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Gray
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
Material - Resin	High Temperature Thermoplastic
Number of Columns	25
Number of Pairs	2
Number of Rows	4
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	Tube
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
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.76



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 Wide Differential Insertion Tool	0622022430

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

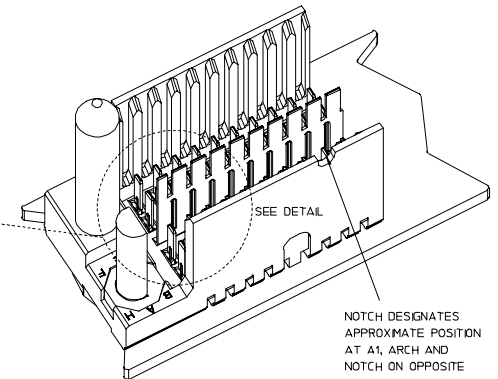
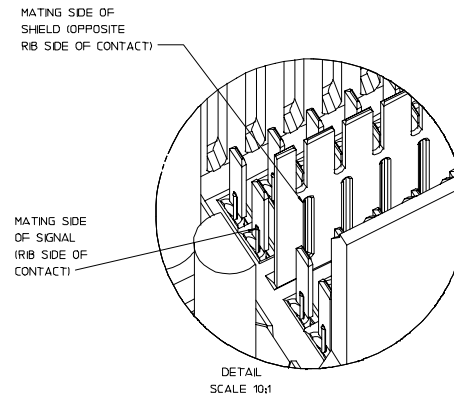
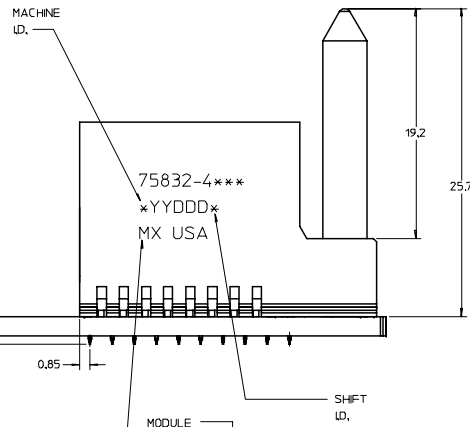
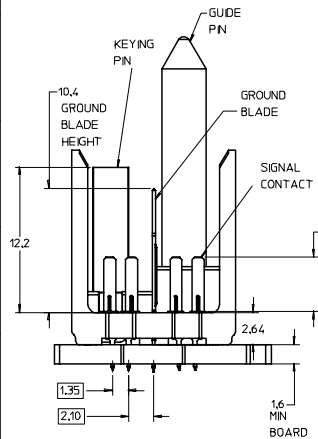
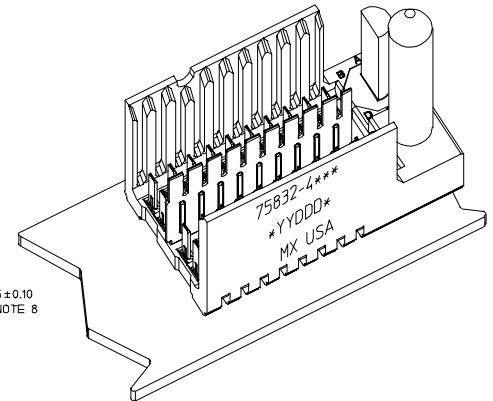
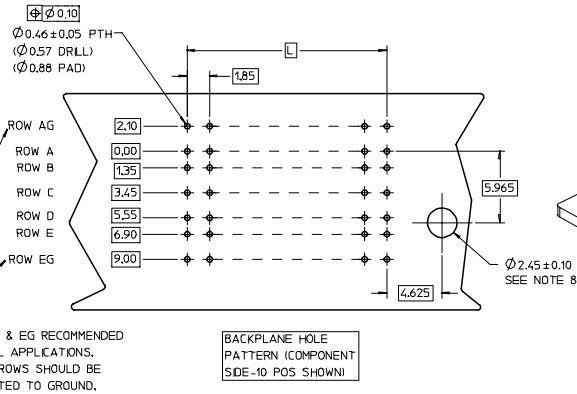
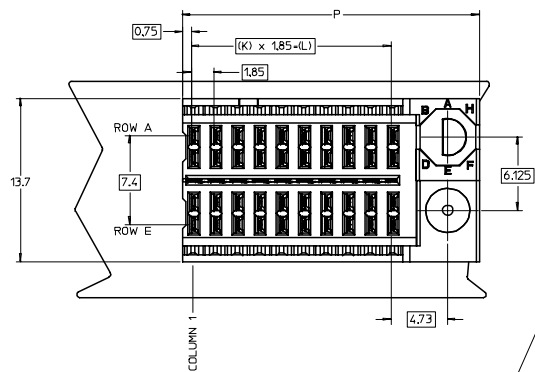
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This document was generated on 05/14/2010

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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
K
J
I
H
G
F
E
D
C
B
A



- 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 $\varnothing 2.58$, PAD SIZE $\varnothing 5.50$.
 9. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

75832-4***

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

COLUMN 1=10 COL 2=25 COL

PIN LENGTH DIM "M" 3=3.55 mm 4=4.55 mm 5=5.55 mm

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

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 B DRWN: JINGHAM 2007/05/02 CHKD: JINGHAM 2007/05/02 APPR: SPEED 2007/05/02 REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	B	
						5:1	METRIC					
						DIMENSION STYLE			TITLE			
						MM ONLY						
				4 PLACES	±---	±---	DRAWN BY	DATE	GBX 2-PAIR RIGHT END BACKPLANE ASSEMBLY LEAD-FREE SALES DRAWING	A		
				3 PLACES	±---	±---	THOMAS	2006/01/13				
				2 PLACES	±---	±---	CHECKED BY	DATE				
				1 PLACE	±---	±---	KMULVEY	2006/01/16	MOLEX INCORPORATED			
				ANGULAR ±---			APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
				DRAFT WHERE APPLICABLE			JBINGHAM	2006/01/17	SEE CHART	SD-75832-410	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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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