

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0756470104

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073" by .073") Pitch 2-Pair GbX® Backplane Electrically Enhanced Connector System, Open Header, 100 Circuits, Pin Length 4.55mm (.179")

Documents:

Drawing (PDF)

Product Specification PS-75221-999 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Backplane Connectors

Series

75647

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)

40

Circuits (maximum)

40

Color - Resin

Gray (Dark), Red

Durability (mating cycles max)

200

First Mate / Last Break

No

Guide to Mating Part

No

Keying to Mating Part

None

Material - Metal

High Performance Alloy (HPA)

Material - Plating Mating

Gold

Material - Plating Termination

Tin-Lead

Material - Resin

High Temperature Thermoplastic

Number of Columns

10

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

Polarized to PCB

No

Stackable

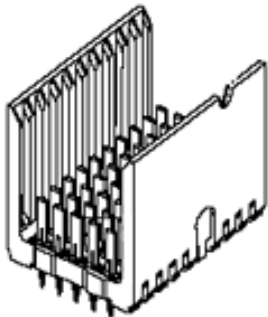
No

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

105°C



Series
image - Reference only

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
75647Series

Mates With
75650 GbX® Daughtercard

Termination Interface: Style	Through Hole - Compliant Pin
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Electrical

Current - Maximum per Contact	1A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	54
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

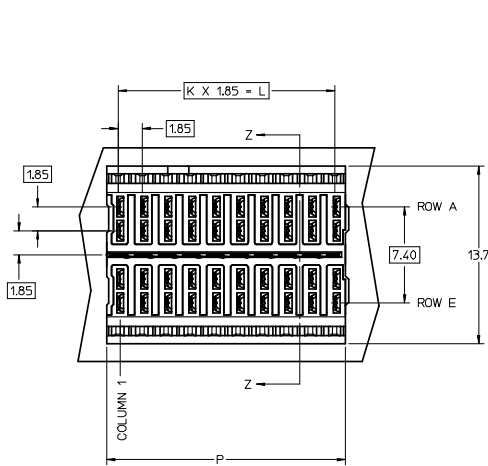
Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75647-010

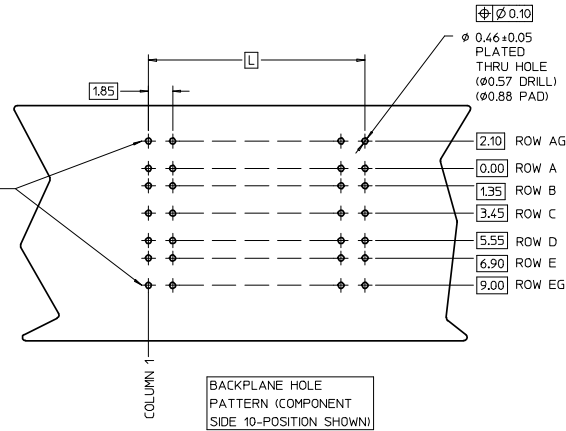
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This document was generated on 05/14/2010

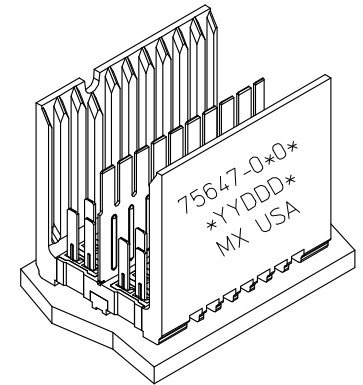
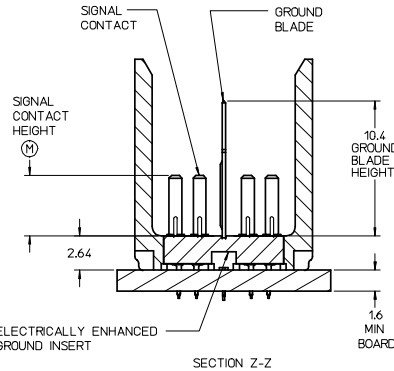
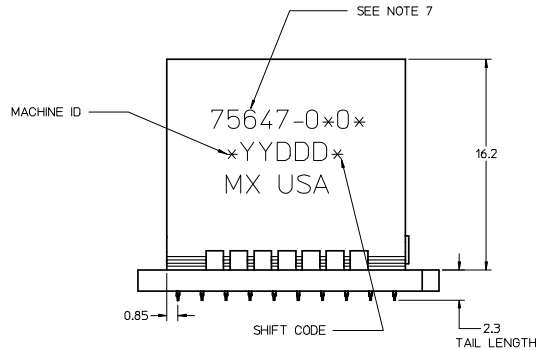
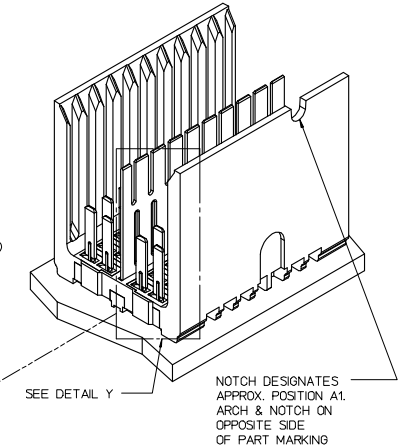
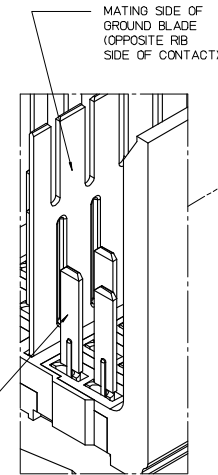
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ROWS AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.



BACKPLANE HOLE PATTERN (COMPONENT SIDE 10-POSITION SHOWN)



- NOTES:
- MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0. COLOR - GRAY. ELECTRICALLY ENHANCED GROUND INSERT: CONDUCTIVE RESIN. COLOR - RED. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
 - FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA. SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS. NICKEL (Ni) OVERALL.
 - THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
 - FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY. CONTACT PAIRS MUST BE THE SAME LENGTH.
 - FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
 - PACKAGE PER PK-70873-5058.
 - MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.
 - THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

COLUMN
01 = 10 COL
02 = 25 COL
05 = 5 COL

75647-**0*
KEYING
ORIENTATION
OPEN = 0 (NONE)

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

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75647-050*	4	7.40	9.10	10
75647-010*	9	16.65	18.35	20
75647-020*	24	44.40	46.10	50

REVISED (MINOR) DEC NO: UCP 2008-2211 DRAWN: JB INGHAM CHKD: JLAURX APPR: JLAURX 2008/03/10 2008/03/12 2008/03/24 B2	QUALITY SYMBOLS =0 =0 DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± ---°	DIMENSION STYLE MM ONLY DRAWN BY: JB INGHAM DATE: 2006/01/18 CHECKED BY: KMULVEY DATE: 2006/01/18 APPROVED BY: SREED DATE: 2006/01/18	SCALE 5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE GBX 2-PAIR BACKPLANE ELECTRICALLY ENHANCED OPEN END SALES ASSEMBLY	MATERIAL NO. SEE CHART DOCUMENT NO. SD-75647-010 SHEET NO. 1 OF 1	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MOLEX INCORPORATED	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

Данный компонент на территории Российской Федерации

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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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

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moschip.ru_9