

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0758610104

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073" by .073") Pitch 2-Pair GbX® Backplane L-Series Connector System, Open Header, 55 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 4.55mm (.179")

Documents:

Drawing (PDF)

Product Specification PS-75221-999 (PDF)

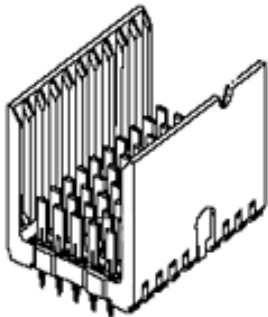
RoHS Certificate of Compliance (PDF)

General

Product Family	Backplane Connectors
Series	75861
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Open Header
Component Type	PCB Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Gray (Dark)
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	5
Orientation	Vertical
PC Tail Length (in)	0.087 In
PC Tail Length (mm)	2.20 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



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
75861Series

Mates With
75676 Gbx Hybrid Daughtercard. 75671 GbX® L-Series 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 #
GbX® 2 Pair by 10 Wide L Series Insertion Module	0622022450

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)	67
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-75861-010

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 05/14/2010

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13 12 11 10 9 8 7 6 5 4 3 2 1

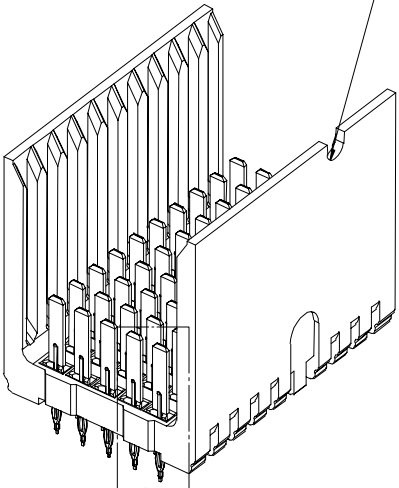
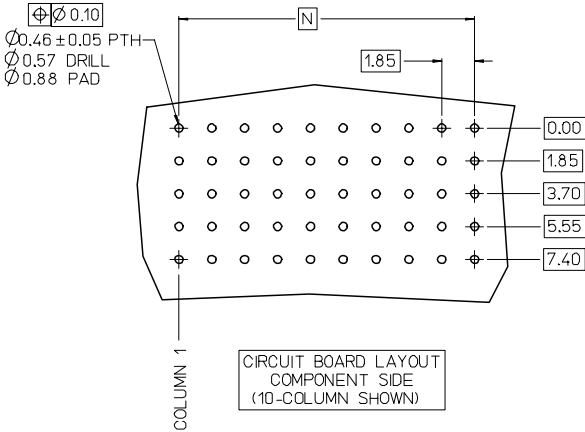
CONFIGURATION			
ASSEMBLY NO.	K	N	(L)
75861-050*	4	7.40	9.10
75861-010*	9	16.65	18.35
75861-020*	24	44.40	46.10

75861-0x0*

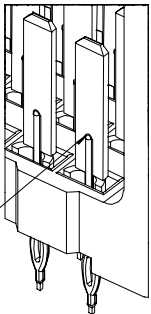
COLUMN
05 = 5
01 = 10
02 = 25

SIGNAL LENGTH
DIMENSION "M"
3 = 3.55mm (30 μ Aw)
4 = 4.55mm (30 μ Aw)
5 = 5.55mm (30 μ Aw)
7 = 3.55mm (50 μ Aw)
8 = 4.55mm (50 μ Aw)
9 = 5.55mm (50 μ Aw)

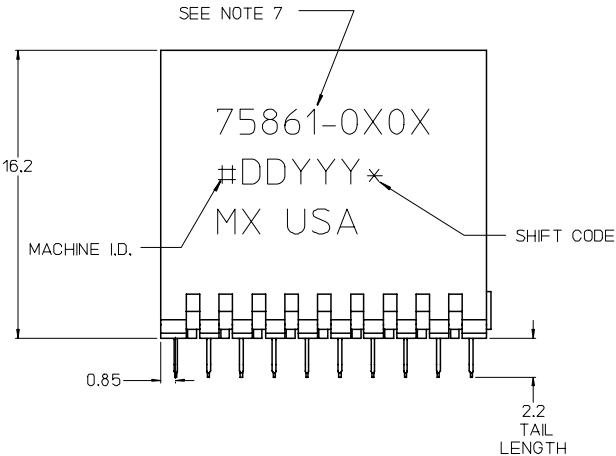
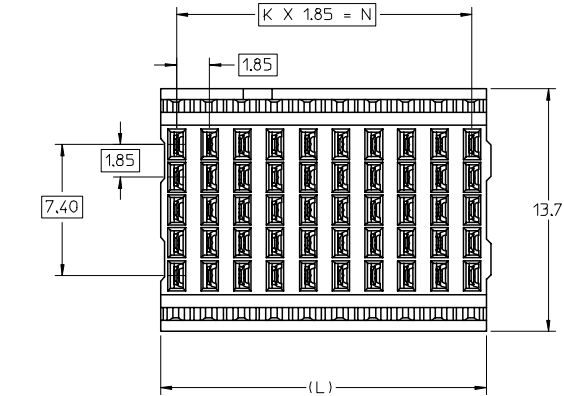
NOTCH DESIGNATES
APPROX. POSITION OF A1.
ARCH & NOTCH ON
OPPOSITE SIDE OF
PART MARKING



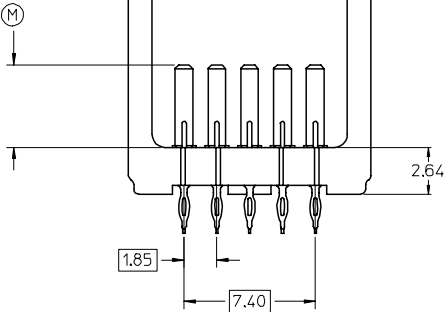
SEE DETAIL Y



DETAIL Y
SCALE 10:1



SIGNAL CONTACT
BEAM LENGTH
SEE TABLE



- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL 94V-0, GRAY. SIGNAL CONTACTS - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE TIN/LEAD (Sn/Pb) ON TAIL AREA, NICKEL (Ni) OVERALL.
 3. 10-COLUMN ASSEMBLY SHOWN AS REFERENCE. SEE TABLE AND CHART FOR OTHER OPTIONS.
 4. PARTS PACKAGED PER PK-70873-5058.
 5. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
 6. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX.
 7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.
 8. MINIMUM CIRCUIT BOARD THICKNESS: 1.6
 9. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

REVISED (MINOR)	EC NO.	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
B1	UCP2008-0890	JB INGHAM	2007/11/15	CHKCD:	2007/11/16	APPR:	2007/11/16			
QUALITY SYMBOLS										
GENERAL TOLERANCES (UNLESS SPECIFIED)										
DIMENSION STYLE MM ONLY										
SCALE 5:1										
DESIGN UNITS METRIC										
THIRD ANGLE PROJECTION										
DRAWN BY JB INGHAM DATE 2006/02/03										
CHECKED BY KMULVEY DATE 2006/02/03										
APPROVED BY SREED DATE 2006/02/03										
MATERIAL NO. SEE CHART										
DOCUMENT NO. SD-75861-010										
SHEET NO. 1 OF 1										
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GBX 2-PAIR L-SERIES
OPEN END BACKPLANE
SALES ASSEMBLY DRAWING

MOLEX INCORPORATED

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12 11 10 9 8 7 6 5 4 3 2 1



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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