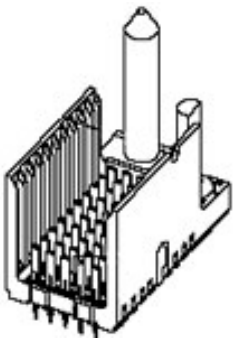
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Part Number: 0758614204
Status: Active
Overview: gbx_backplane_connector_system
Description: 1.85mm by 1.85mm (.073" by .073") Pitch 2-Pair GbX® Backplane L-Series Connector System, Right Guide Header, 125 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 4.55mm (.179")



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-75221-999 (PDF)

General

Product Family	Backplane Connectors
Series	75861
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	Left Guide Header, No Keying Postion
Component Type	PCB Header
Overview	gbx_backplane_connector_system
Product Name	GbX®
Style	N/A

Physical

Circuits (Loaded)	125
Circuits (maximum)	125
Color - Resin	Gray (Dark)
Durability (mating cycles max)	200
First Mate / Last Break	No
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-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	25
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

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS
50
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 25 Wide L Series Insertion Module	0622022470

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

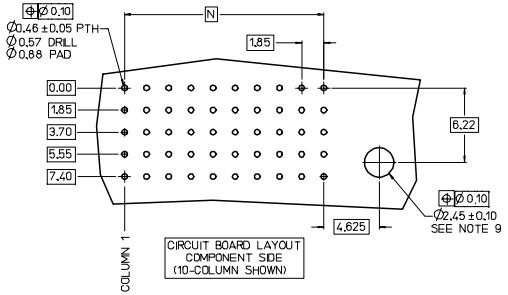
Current - Maximum per Contact	1A
Data Rate	8.0 Gbps
Real Signals (per 25mm)	67
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

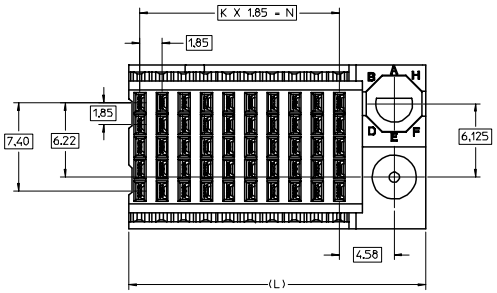
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75861-410

GbX is a registered trademark of Amphenol Corporation.



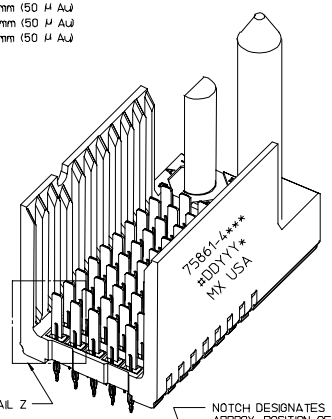


75861-4***
COLUMN
01 = 10
02 = 25
05 = 5

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

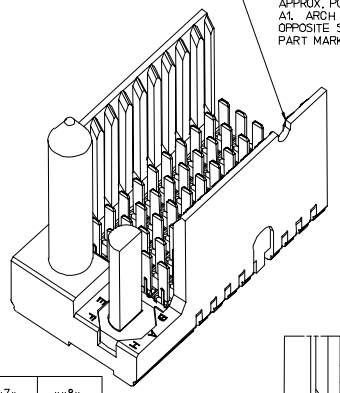
SIGNAL LENGTH
DIMENSION "M"
3 = 3.55mm (30 µ Au)
4 = 4.55mm (30 µ Au)
5 = 5.55mm (30 µ Au)
7 = 3.55mm (50 µ Au)
8 = 4.55mm (50 µ Au)
9 = 5.55mm (50 µ Au)

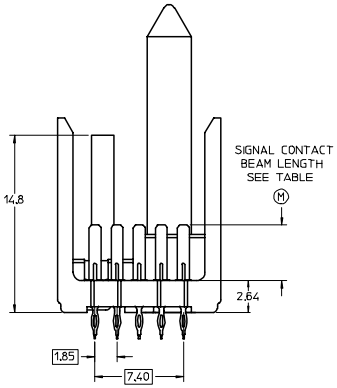
CONFIGURATION			
ASSEMBLY NO.	K	N	(L)
75861-45**	4	7.40	15.53
75861-41**	9	16.65	24.78
75861-42**	24	44.40	52.53

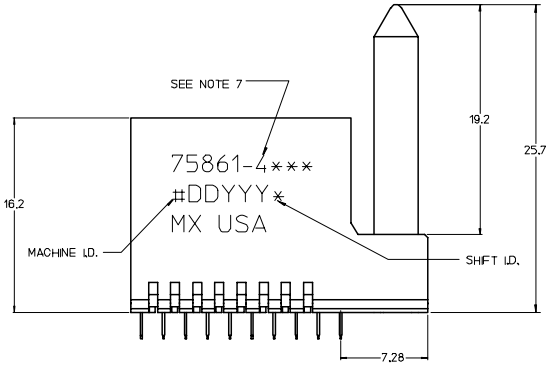


SEE DETAIL Z

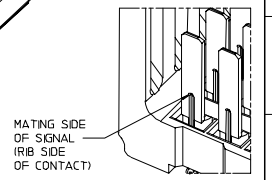
NOTCH DESIGNATES APPROX. POSITION OF A1. ARCH & NOTCH ON OPPOSITE SIDE OF PART MARKING







P/N 75861-( )	-**0*	-**1*	-**2*	-**3*	-**4*	-**5*	-**6*	-**7*	-**8*
KEYING PIN ORIENTATION	0	A	B	C	D	E	F	G	H



DETAIL Z
SCALE 10:1

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 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. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR FOR ADDITIONAL GUIDE PIN SUPPORT. FOR GROUNDED GUIDE, HOLE TO BE PLATED. DRILL SIZE Ø2.58. PAD SIZE Ø5.50
10. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

REV	DESCRIPTION	DRAWN	CHKD	APPR
B	REVISED EC NO: UCP2007-2780	2007/05/02 JB INGHAM	2007/05/02	2007/05/02 SREED

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR	±---°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JB INGHAM 2006/02/06
CHECKED BY: KMULVEY 2006/02/06
APPROVED BY: SREED 2006/02/06

TITLE: GBX 2-PAIR L-SERIES RIGHT END BACKPLANE SALES ASSEMBLY DRAWING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75861-410
SHEET NO.: 1 OF 1
SIZE: D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

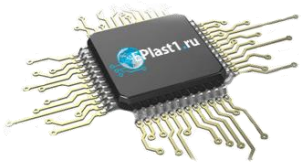
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- 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;
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- 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.);

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- 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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