

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0758270105](#)
Status: **Active**
Overview: [gbx_backplane_connector_system](#)
Description: 1.85mm by 1.85mm (.073 by .073") Pitch 2-Pair GbX® Backplane Connector System, Open Header, 40 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 5.55mm (.219")

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-75221-999 \(PDF\)](#)

Agency Certification

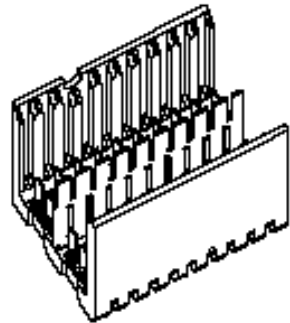
UL E29179

General

Product Family Backplane Connectors
Series [75827](#)
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) 40
Circuits (maximum) 40
Color - Resin Gray (Dark)
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
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) 0.087 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



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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
[75827Series](#)

Mates With
[75650 GbX® 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 Differential Insertion Tool	0622022410

Plating min: Termination (μm)	0.76
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
Real Signals (per 25mm)	54
Shield Type	Ground Plane Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

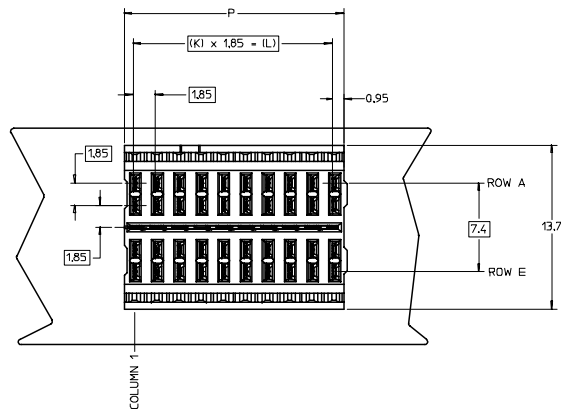
Reference - Drawing Numbers

Packaging Specification	PK-70873-5058
Product Specification	PS-75221-999
Sales Drawing	SD-75827-010

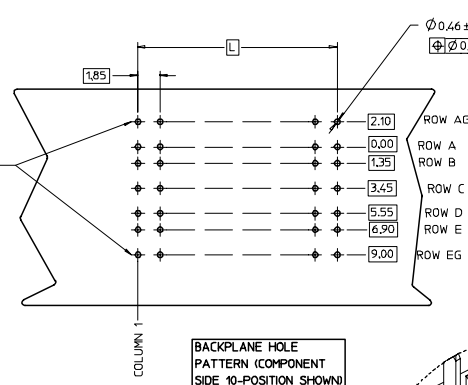
GbX is a registered trademark of Amphenol Corporation.

This document was generated on 05/14/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



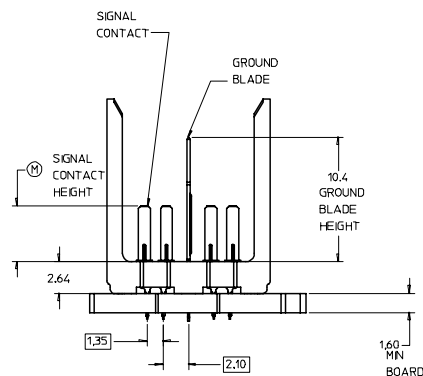
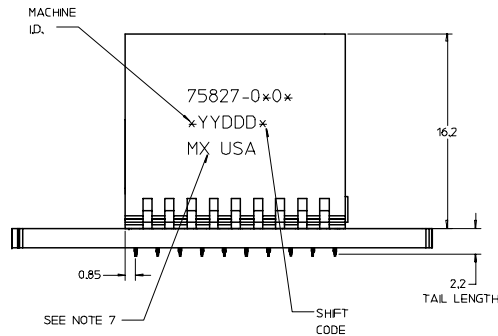
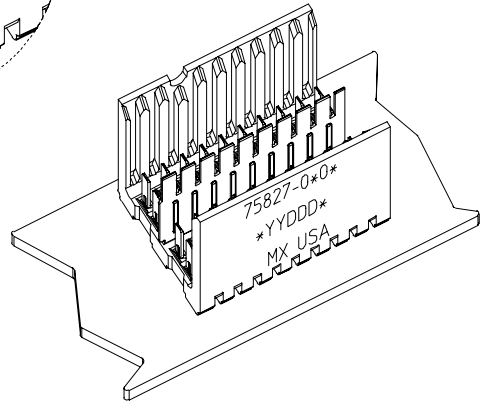
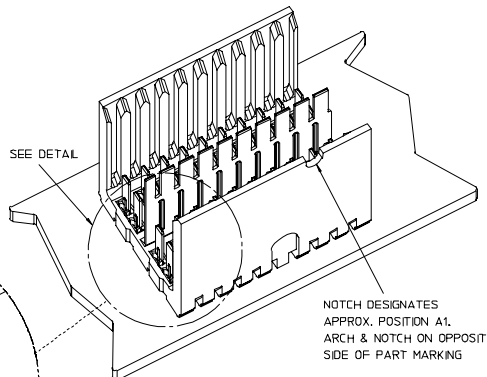
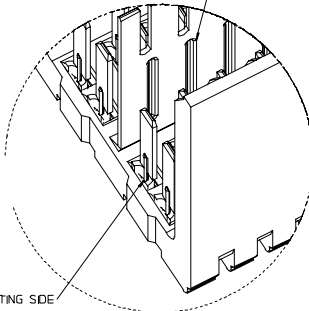
ROWS AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.



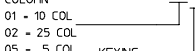
BACKPLANE HOLE PATTERN (COMPONENT SIDE 10-POSITION SHOWN)

PLATED THRU HOLE (Ø 0.57 DRILL) (Ø 0.88 PAD)

MATING SIDE OF SHIELD (OPPOSITE RIB SIDE OF CONTACT)



- 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 TIN/LEAD (Sn/Pb) 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. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

75827-**-0*				
COLUMN		PN LENGTH		
01 - 10 COL		DM "M"		
02 - 25 COL		3=3.55 mm		
05 - 5 COL		4=4.55 mm		
		5=5.55 mm		
KEYING ORIENTATION OPEN = 0 (NONE)				
PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75827-050*	4	7.40	9.10	10
75827-010*	9	16.65	18.35	20
75827-020*	24	44.40	46.10	50

ADD 5 COLUMN PARTS EC NO: UCP 2007-2580 DRAWN: JINGHAM 2007/05/02 CHKD: 2007/05/02 APPR: SREED 2007/05/02 REV DESCRIPTION	QUALITY SYMBOLS 0.0 0.0	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
B	0.0	4 PLACES ±	mm	INCH	TITLE	GBX 2-PAIR OPEN END BACKPLANE SALES ASSEMBLY
		3 PLACES ±	mm	INCH		
B	0.0	2 PLACES ±	mm	INCH	DRAWN BY DATE	NMARTIN 2005/06/28
		1 PLACE ±	mm	INCH		
B	0.0	ANGULAR ±	mm	INCH	CHECKED BY DATE	JMYCZEK 2005/06/28
		DRAFT WHERE APPLICABLE	mm	INCH		
B	0.0	MUST REMAIN WITHIN DIMENSIONS	mm	INCH	APPROVED BY DATE	SREED 2005/06/28
			mm	INCH		
B	0.0		mm	INCH	MATERIAL NO.	SEE CHART
			mm	INCH		
B	0.0		mm	INCH	DOCUMENT NO.	SD-75827-010
			mm	INCH		
B	0.0		mm	INCH	SHEET NO.	1 OF 1
			mm	INCH		
B	0.0		mm	INCH	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
			mm	INCH		

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



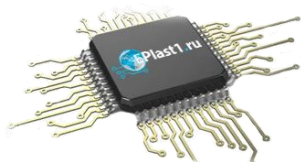
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.