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Part Number: [0758270104](#)
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 4.55mm (.179")

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 http://www.molex.com/pdm_docs/ats/TM-622022099.pdf>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

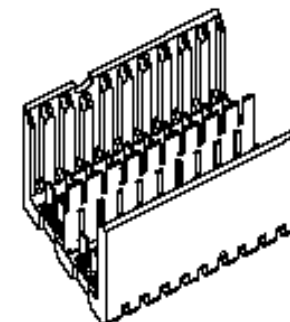


image - Reference only

Series

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

[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

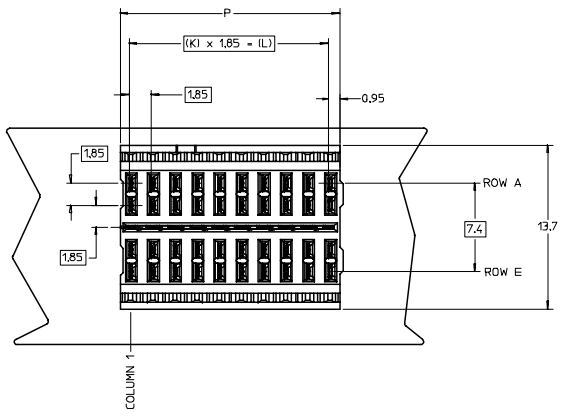
| | |
|-------------------------|---------------|
| Packaging Specification | PK-70873-5058 |
| Product Specification | PS-75221-999 |
| Sales Drawing | SD-75827-010 |

GbX is a registered trademark of Amphenol Corporation.

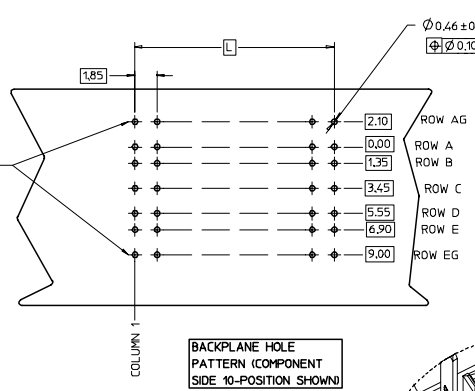
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20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 75827 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

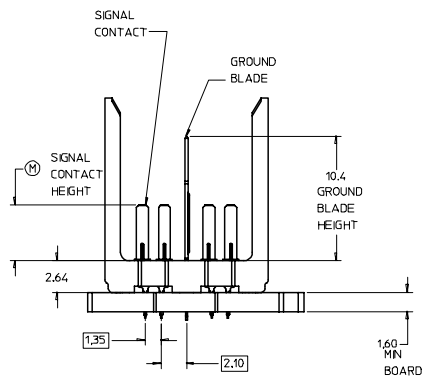
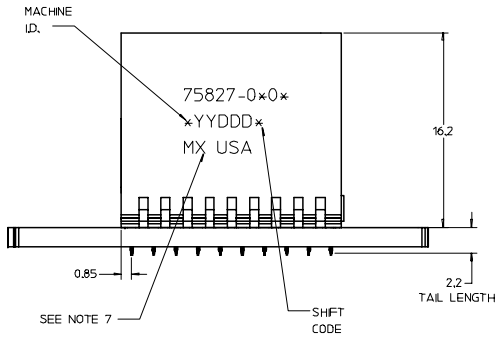
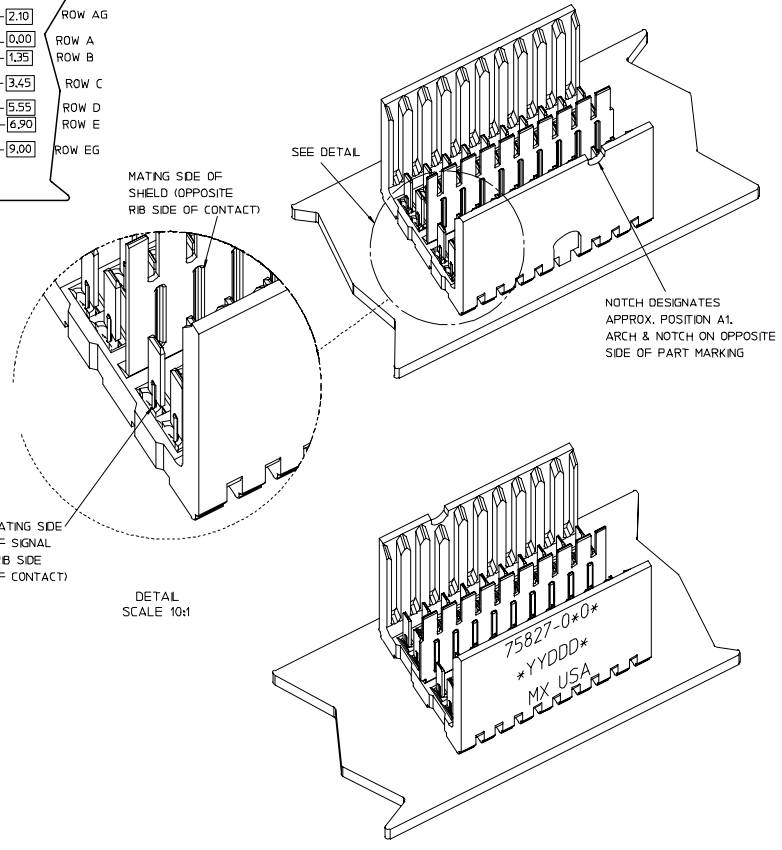


ROWS AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.



BACKPLANE HOLE PATTERN (COMPONENT SIDE 10-POSITION SHOWN)

PLATED THRU HOLE (Ø 0.57 DRILL) (Ø 0.88 PAD) Ø 0.46 ± 0.05 (± 0.10)



- NOTES:**
- MATERIAL; HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0, COLOR - GRAY. 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.
 - EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.
 - THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

75827-xx0*

COLUMN: 01 - 10 COL, 02 - 25 COL, 05 - 5 COL

PN LENGTH: DM 'M', 3=3.55 mm, 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 DRWN: BINGHAM 2007/05/02 CHKD: CHKD 2007/05/02 APPR: SREED 2007/05/02 REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | SCALE 5:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY |
| | 0.0 | 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- | mm INCH | DIMENSION STYLE MM ONLY | TITLE | |
| | 0.0 | ANGULAR ±---° | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRAWN BY DATE NMARTIN 2005/06/28 CHECKED BY DATE JMYCZEK 2005/06/28 APPROVED BY DATE SREED 2005/06/28 | MOLEX INCORPORATED | GBX 2-PAIR OPEN END BACKPLANE SALES ASSEMBLY |
| | | | | MATERIAL NO. DOCUMENT NO. SHEET NO. SEE CHART SD-75827-010 1 OF 1 | | |

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

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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;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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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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