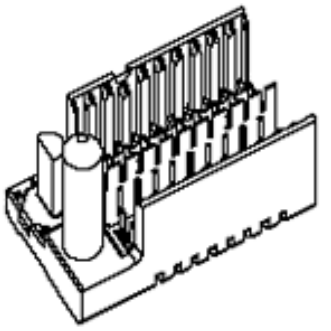
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0758272234
**Status:** Active
**Overview:** gbx_backplane_connector_system
**Description:** 1.85mm by 1.85mm (.073 by .073") Pitch 2-Pair GbX® Backplane Connector System, Right Guide Header, 100 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)

## Agency Certification

| | |
|---|---|
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | Backplane Connectors |
| Series | 75827 |
| Application | Backplane |
| Application Tooling Documents | <a href="http://www.molex.com/pdm_docs/ats/TM-622022099.pdf">Tooling Manual</a> |
| Comments | Left Guide Header, Keying Position C |
| Component Type | PCB Header |
| Overview | gbx_backplane_connector_system |
| Product Name | GbX® |
| Style | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 100 |
| Circuits (maximum) | 100 |
| Color - Resin | Gray (Dark) |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| 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 | 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 |

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

**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 25 Wide Differential Insertion Tool | 0622022430 |

| | |
|---|---|
| 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

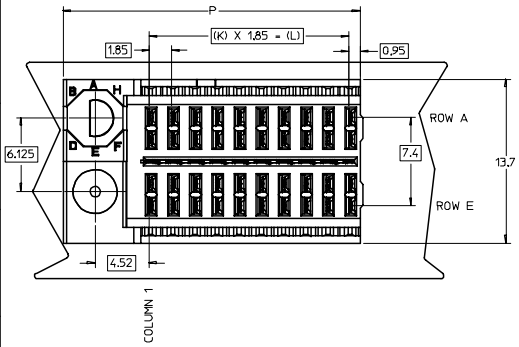
| | |
|---|---|
| Current - Maximum per Contact | 1A |
| Data Rate | 8.0 Gbps |
| Real Signals (per 25mm) | 54 |
| Shield Type | Ground Plane Shield |
| Shielded | Yes |
| Voltage - Maximum | 120V AC (RMS)/DC |

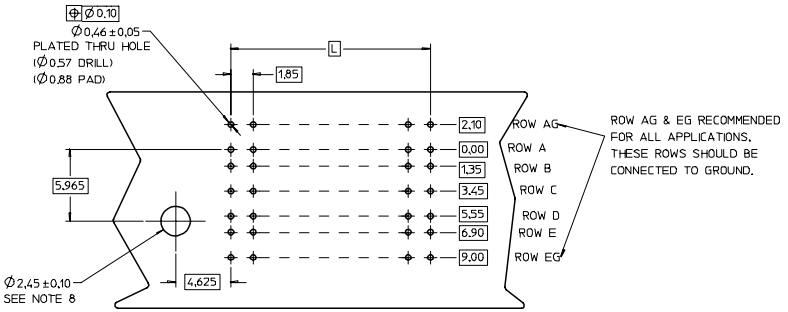
## Material Info

## Reference - Drawing Numbers

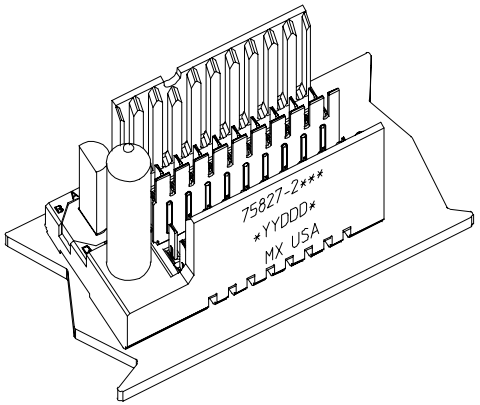
| | |
|---|---|
| Packaging Specification | PK-70873-5058 |
| Product Specification | PS-75221-999 |
| Sales Drawing | SD-75827-210 |

GbX is a registered trademark of Amphenol Corporation.

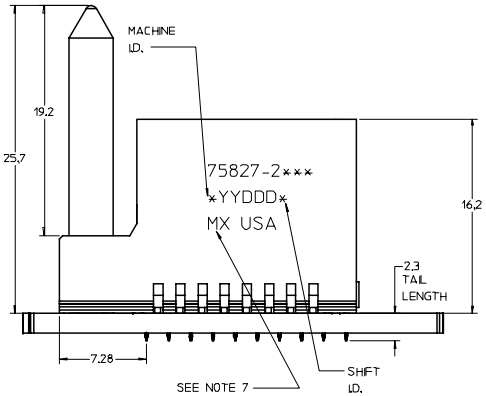


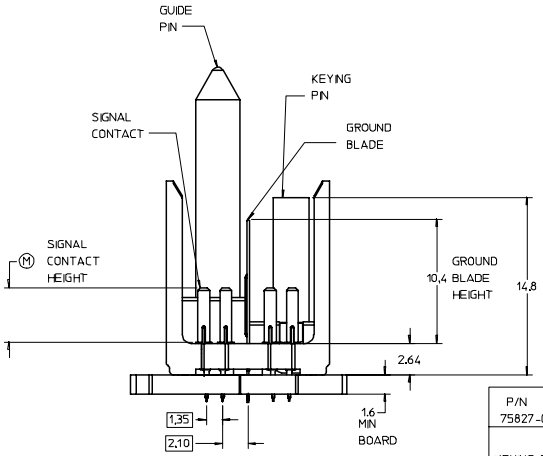



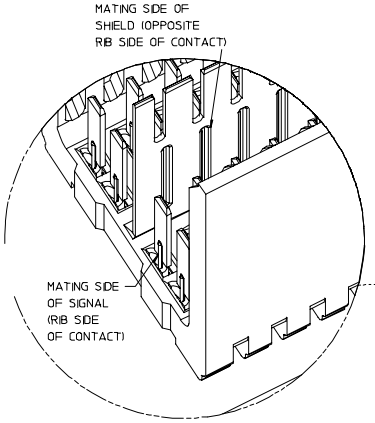

ROW AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.

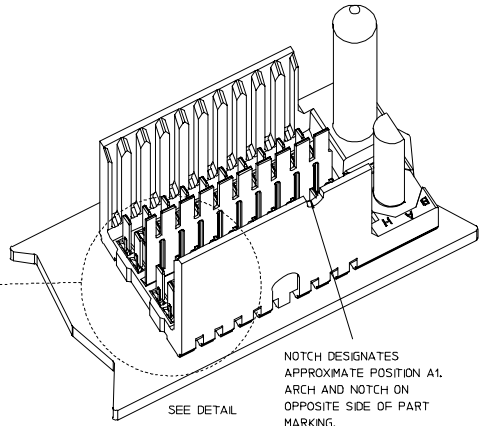



BACKPLANE HOLE PATTERN (COMPONENT SIDE-10 POS SHOWN)




| PART NUMBER TABLE | | | | |
|---|---|---|---|---|
| ASSY PART NO. | K | L | P | TOTAL NO. OF DIFFERENTIAL PAIRS |
| 75827-21** | 9 | 16.65 | 24.78 | 20 |
| 75827-22** | 24 | 44.40 | 52.53 | 50 |

| P/N 75827-( ) | -**0* | -**1* | -**2* | -**3* | -**4* | -**5* | -**6* | -**7* | -**8* |
|---|---|---|---|---|---|---|---|---|---|
| KEYING PIN ORIENTATION | 0 | A | B | C | D | E | F | G | H |

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

MODULE ORIENTATION LEFT - 2

75827-2 * * *

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

COLUMN
1-10 COL
2-25 COL

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

| REV | DESCRIPTION | REVISED |
|---|---|---|
| B | EC NO: UCP2007-2580<br>DRWN: JBINGHAM<br>CHKD:<br>APPR: SREED | 2007/05/02<br>2007/05/02<br>2007/05/02 |

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

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

TITLE: GBX 2-PAIR LEFT END BACKPLANE SALES ASSEMBLY

| DRAWN BY | DATE |
|---|---|
| NMARTIN | 2005/07/01 |
| CHECKED BY | DATE |
| JMYCZEK | 2005/07/01 |
| APPROVED BY | DATE |
| SREED | 2005/07/01 |

MOLEX INCORPORATED

| MATERIAL NO. | DOCUMENT NO. | SHEET NO. |
|---|---|---|
| SEE CHART | SD-75827-210 | 1 OF 1 |

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Rev. B1 2000/08/01

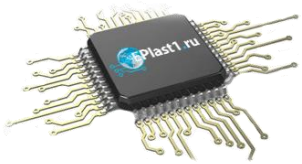
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- 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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**Факс:** 8 (812) 320-02-42
**Электронная почта:** org@eplast1.ru
**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.