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**Part Number:** [0758320104](#)  
**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, Pin Length 3.55mm (.139"), Lead Free

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

Agency Certification

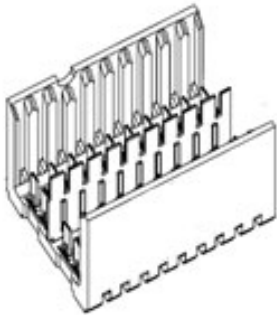
UL E29179

General

Product Family Backplane Connectors  
Series [75832](#)  
Application Backplane  
Application Tooling Documents <a href="http://www.molex.com/pdm\_docs/ats/TM-622022099.pdf">Tooling Manual</a>  
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  
Durability (mating cycles max) 200  
First Mate / Last Break No  
Flammability 94V-0  
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  
Material - Resin High Temperature Thermoplastic  
Number of Columns 10  
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  
Plating min: Termination (µm) 0.76



Series

image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**



**Need more information on product environmental compliance?**  
Email [productcompliance@molex.com](mailto: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**  
[75832Series](#)

**Mates With**  
[75874 GbX® Daughtercard Lead-Free](#)

**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 | <a href="#">0622022410</a> |

|                                |                              |
|--------------------------------|------------------------------|
| 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         |
| Shielded                      | No               |
| Voltage - Maximum             | 120V AC (RMS)/DC |

**Material Info**

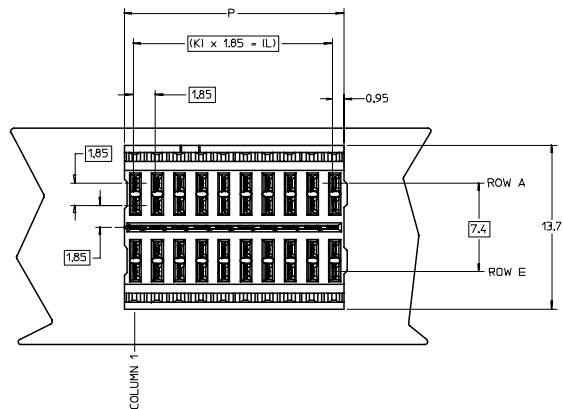
**Reference - Drawing Numbers**

|                         |               |
|-------------------------|---------------|
| Packaging Specification | PK-70873-5058 |
| Product Specification   | PS-75221-999  |
| Sales Drawing           | SD-75832-010  |

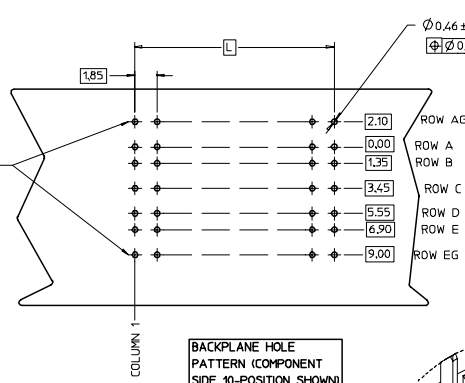
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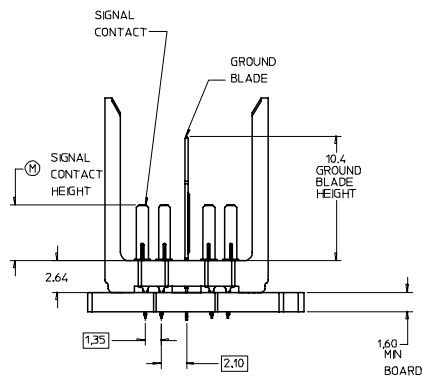
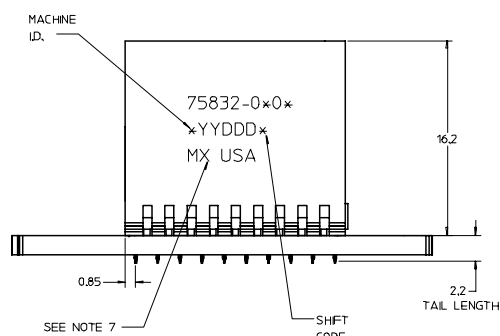
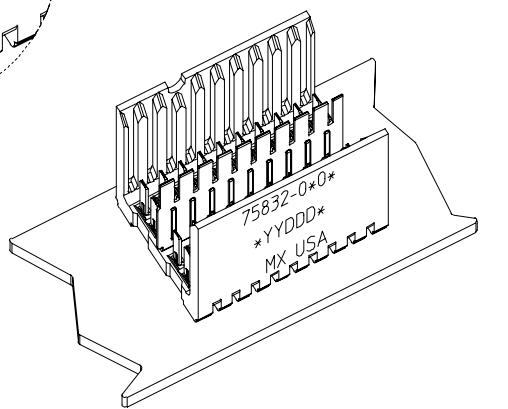
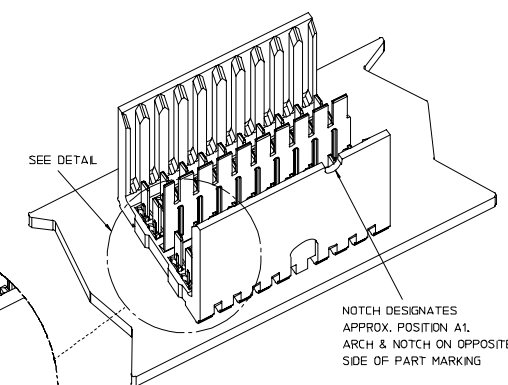
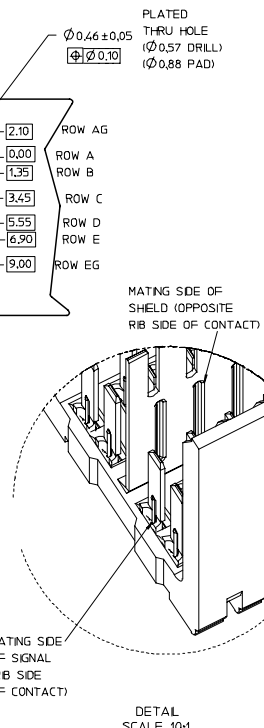
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ROWS AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.



BACKPLANE HOLE PATTERN (COMPONENT SIDE 10-POSITION SHOWN)



LEAD-FREE PLATING ON SIGNALS, & GROUNDS.

- 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 MATTE TIN (Sn) ON PCB TAILS, NICKEL AND 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.

|                   |             |                 |            |                                 |
|-------------------|-------------|-----------------|------------|---------------------------------|
| 75832-xx0*        |             |                 |            |                                 |
| COLUMN            | 01 - 10 COL | 02 - 25 COL     | 05 - 5 COL |                                 |
| KEYING            | ORIENTATION | OPEN = 0 (NONE) |            |                                 |
| PART NUMBER TABLE |             |                 |            |                                 |
| ASSY PART NO.     | K           | L               | P          | TOTAL NO. OF DIFFERENTIAL PAIRS |
| 75832-050*        | 4           | 7,40            | 9,10       | 10                              |
| 75832-010*        | 9           | 16,65           | 18,35      | 20                              |
| 75832-020*        | 24          | 44,40           | 46,10      | 50                              |

|                               |                                                                                                  |                                                                                                                               |                 |                                       |    |                                |                     |                                                                                       |                        |                    |   |       |                                 |                            |                                                                                                          |                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|----|--------------------------------|---------------------|---------------------------------------------------------------------------------------|------------------------|--------------------|---|-------|---------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| REVISED                       | EC NO: UCP2007-2580<br>DRAWN: JBRINGHAM 2007/05/02<br>CHKD: 2007/05/02<br>APPR: SREED 2007/05/02 | DESCRIPTION                                                                                                                   | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |    | SCALE 5:1                      | DESIGN UNITS METRIC |  | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY | B |       |                                 |                            |                                                                                                          |                                                                      |
|                               |                                                                                                  |                                                                                                                               |                 |                                       | mm | INCH                           | DIMENSION STYLE     |                                                                                       |                        |                    |   | TITLE |                                 |                            |                                                                                                          |                                                                      |
|                               |                                                                                                  |                                                                                                                               |                 |                                       |    |                                | MM ONLY             |                                                                                       |                        |                    |   |       |                                 |                            |                                                                                                          |                                                                      |
|                               |                                                                                                  |                                                                                                                               |                 | 4 PLACES                              | ±  | ---                            | ±                   |                                                                                       |                        |                    |   |       | ---                             | DRAWN BY THOMAS 2006/01/13 | DATE 2006/01/13                                                                                          | GBX 2-PAIR OPEN END<br>BACKPLANE ASSEMBLY<br>LEAD-FREE SALES DRAWING |
|                               |                                                                                                  |                                                                                                                               |                 | 3 PLACES                              | ±  | ---                            | ±                   |                                                                                       |                        |                    |   |       | ---                             |                            |                                                                                                          |                                                                      |
|                               |                                                                                                  |                                                                                                                               |                 | 2 PLACES                              | ±  | ---                            | ±                   |                                                                                       |                        |                    |   |       | ---                             |                            |                                                                                                          |                                                                      |
|                               |                                                                                                  |                                                                                                                               |                 | 1 PLACE                               | ±  | ---                            | ±                   |                                                                                       |                        |                    |   |       | ---                             |                            |                                                                                                          |                                                                      |
|                               |                                                                                                  |                                                                                                                               |                 | ANGULAR ±                             |    | °                              |                     |                                                                                       |                        |                    |   |       | CHECKED BY JBRINGHAM 2006/01/16 | DATE 2006/01/16            |  MOLEX INCORPORATED |                                                                      |
|                               |                                                                                                  |                                                                                                                               |                 | DRAFT WHERE APPLICABLE                |    | APPROVED BY KMULVEY 2006/01/17 | DATE 2006/01/17     |                                                                                       |                        |                    |   |       | MATERIAL NO. SEE CHART          | DOCUMENT NO. SD-75832-010  |                                                                                                          | SHEET NO. 1 OF 1                                                     |
| MUST REMAIN WITHIN DIMENSIONS |                                                                                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |                                       |    | D                              |                     |                                                                                       |                        |                    |   |       |                                 |                            |                                                                                                          |                                                                      |

GBX 2-PAIR OPEN END BACKPLANE ASSEMBLY  
LEAD-FREE SALES DRAWING  
MOLEX INCORPORATED  
SEE CHART SD-75832-010  
SHEET NO. 1 OF 1

## Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

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