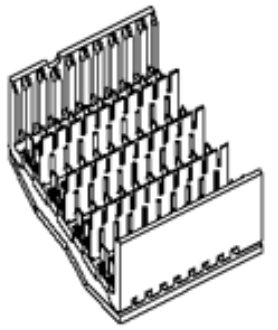
This document was generated on 05/14/2010

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

**Part Number:** 0752350204
**Status:** Active
**Overview:** gbx_backplane_connector_system
**Description:** 1.85mm by 1.85mm (.073 by .073") Pitch 4-Pair GbX® Backplane Connector System, Open Header, 200 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 | 75235 |
| Application | Backplane |
| Application Tooling Documents | <a href="http://www.molex.com/pdm_docs/ats/TM-622022099.pdf">Tooling Manual</a> |
| Comments | Open Header |
| Component Type | PCB Header |
| Overview | gbx_backplane_connector_system |
| Product Name | GbX® |
| Style | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 200 |
| Circuits (maximum) | 200 |
| 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 | 25 |
| Number of Pairs | 4 |
| Number of Rows | 8 |
| 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 | Tray |
| 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**
**Contains SVHC: No**
**Halogen-Free Status**
**Halogen-Free**

**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**
75235Series

**Mates With**
75220 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 # |
|---|---|
| Insertion Tool, GbX® 4 pair by 25 wide | 0622022020 |
| GbX® Single Pin Repair Tool | 0622022090 |
| GbX® Shield Removal Tool | 0622022100 |

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

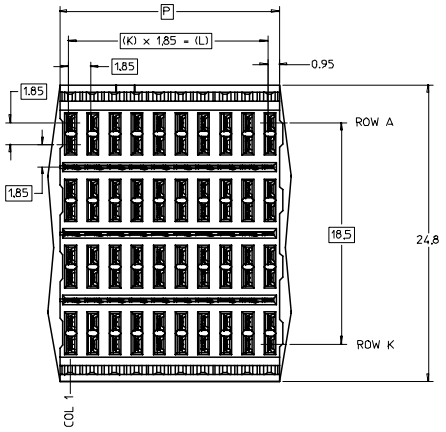
| | |
|---|---|
| Current - Maximum per Contact | 1A |
| Data Rate | 8.0 Gbps |
| Real Signals (per 25mm) | 108 |
| Shield Type | Ground Plane Shield |
| Shielded | Yes |
| Voltage - Maximum | 120V AC (RMS)/DC |

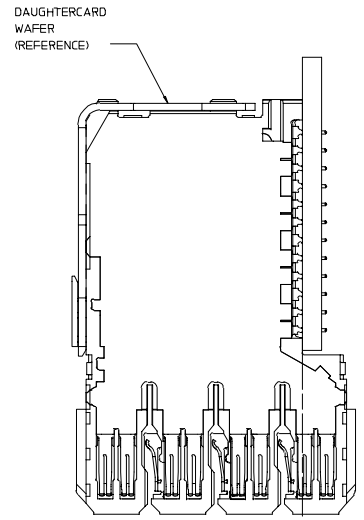
## Material Info

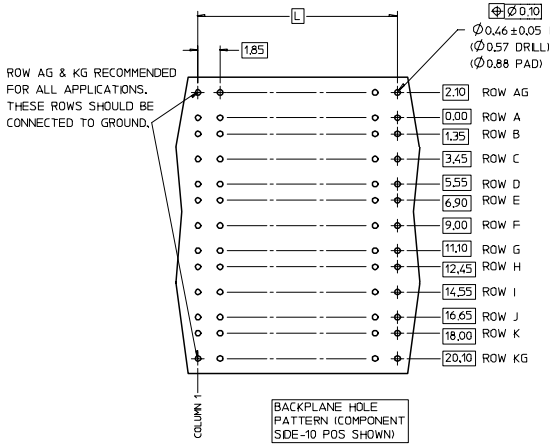
## Reference - Drawing Numbers

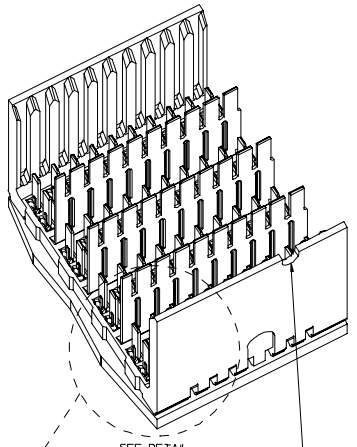
| | |
|---|---|
| Packaging Specification | PK-70873-563 |
| Product Specification | PS-75221-999 |
| Sales Drawing | SD-75235-010 |

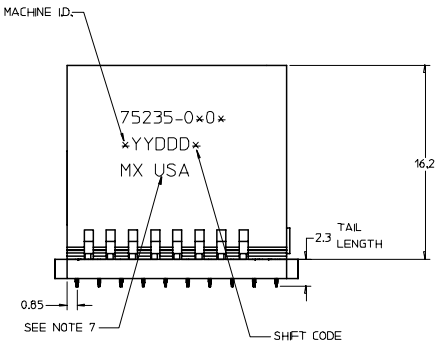
GbX is a registered trademark of Amphenol Corporation.

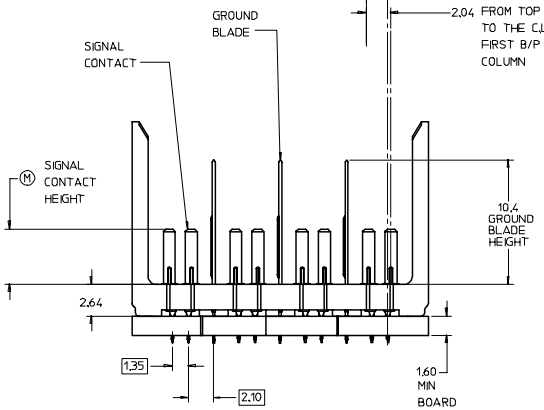


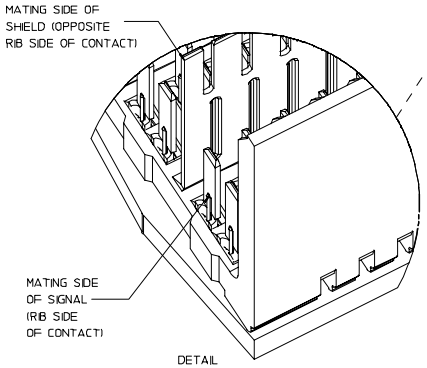



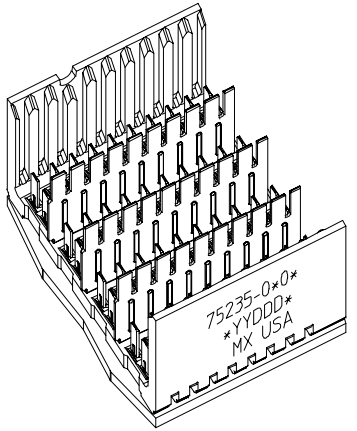




75235- 0 * 0 *

- MODULE ORIENTATION: OPEN = 0
- COLUMN: 1= 10 COL, 2= 25 COL, 5= 5 COL, 7= 7 COL
- KEYING ORIENTATION: 0 = OPEN
- PIN LENGTH DIM "M": 3=3,55 mm, 4=4,55 mm, 5=5,55 mm

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-70873-563.
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.

| PART NUMBER TABLE | | | | |
|---|---|---|---|---|
| ASSY PART NO. | K | L | P | TOTAL NO. OF DIFFERENTIAL PAIRS |
| 75235-010* | 9 | 16,65 | 18,35 | 40 |
| 75235-020* | 24 | 44,40 | 46,10 | 100 |
| 75235-050* | 4 | 7,40 | 9,10 | 20 |
| 75235-070* | 6 | 11,10 | 12,80 | 28 |

| REV | DESCRIPTION | DRWN | CHKD | APPR | DATE |
|---|---|---|---|---|---|
| | ADD 5-COLUMN PART EC NO: UCP2008-0890 | JBINGHAM | | JLAURX | 2007/11/15 2007/11/16 2007/11/16 |

QUALITY SYMBOLS: ▼ 0, C 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0,13 | ± --- |
| 1 PLACE | ± 0,25 | ± --- |
| 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 4-PAIR OPEN END BACKPLANE ASSEMBLY SALES DRAWING

DRAWN BY: NMARTIN 2003/04/25
CHECKED BY: SREED 2003/04/25
APPROVED BY: CBIXLER 2003/04/25

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART | DOCUMENT NO.: SD-75235-010 | SHEET NO.: 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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Rev. B1 2000/08/01

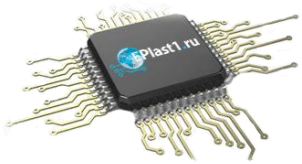
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- 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.);

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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.