

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0754330105

Status:

Active

Overview:

gbx\_backplane\_connector\_system

Description:

1.85mm by 1.85mm (.073 by .073") Pitch 3-Pair GbX® Backplane Connector System, Open Header, 60 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 5.55mm (.219")

Documents:

Drawing (PDF)

Packaging Specification (PDF)

Product Specification PS-75221-999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

75433

Backplane

<a href="http://www.molex.com/pdm\_docs/ats/TM-622022099.pdf">Tooling Manual</a>

Open Header

PCB Header

gbx\_backplane\_connector\_system

GbX®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

60

60

Black

200

No

94V-0

No

None

High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

10

3

6

Vertical

0.087 In

2.20 mm

No

Yes

0.063 In

1.60 mm

Tube

0.073 In

1.85 mm

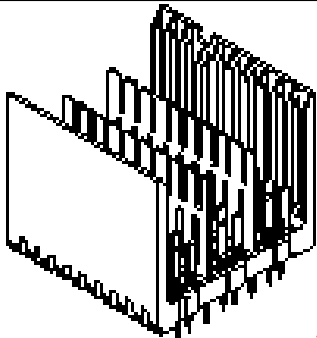
0.073 In

1.85 mm

30

0.76

30



Series  
image - Reference only

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](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  
75433Series

Mates With  
75370 GbX® Daughtercards

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® Single Pin Repair Tool                        | <a href="#">0622022090</a> |
| GbX® Shield Removal Tool                           | <a href="#">0622022100</a> |
| GbX® 3 Pair by 10 Wide Differential Insertion Tool | <a href="#">0622022510</a> |

|                                |                              |
|--------------------------------|------------------------------|
| 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)       | 81                  |
| Shield Type                   | Ground Plane Shield |
| Shielded                      | Yes                 |
| Voltage - Maximum             | 120V AC (RMS)/DC    |

**Material Info**

**Reference - Drawing Numbers**

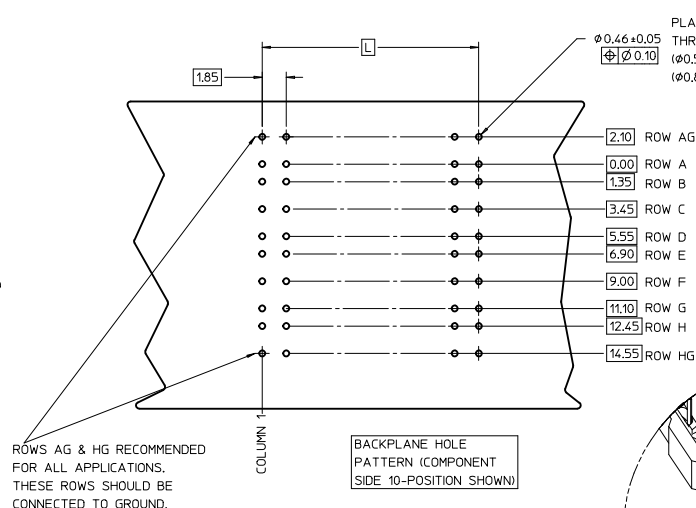
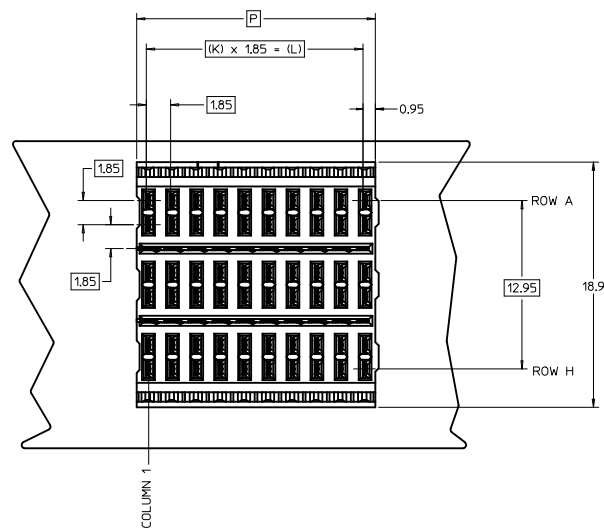
|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-70873-576 |
| Product Specification   | PS-75221-999 |
| Sales Drawing           | SD-75433-010 |

GbX is a registered trademark of Amphenol Corporation.

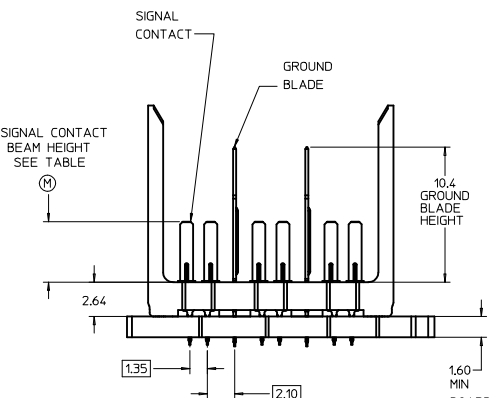
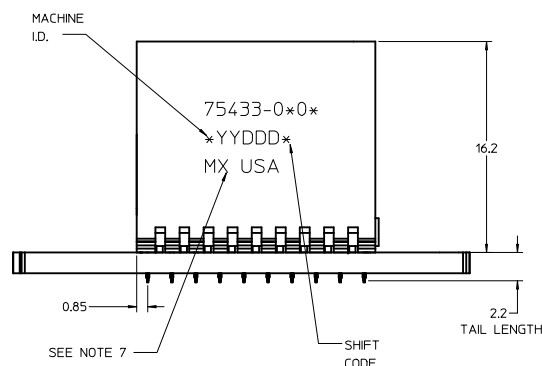
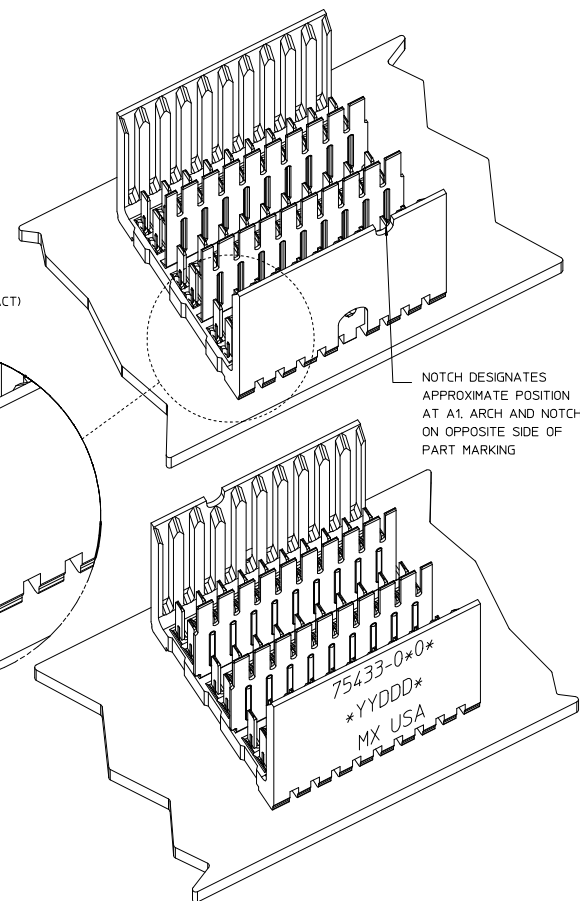
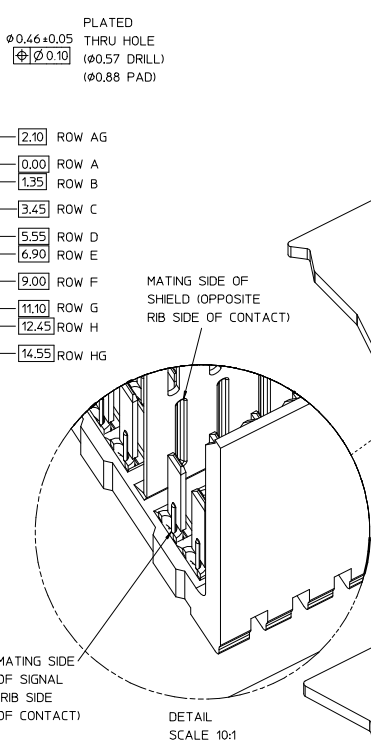
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20 19 18 17 16 15 14 13 12 11 75433 9 8 7 6 5 4 3 2 1



BACKPLANE HOLE PATTERN (COMPONENT SIDE 10-POSITION SHOWN)



- 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 (SnPb) 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-70873-576.
  7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE A LABEL ON THE TUBE.

| PART NUMBER TABLE |    |       |       |                                 |
|-------------------|----|-------|-------|---------------------------------|
| ASSY PART NO.     | K  | L     | P     | TOTAL NO. OF DIFFERENTIAL PAIRS |
| 75433-010*        | 9  | 16.65 | 18.35 | 30                              |
| 75433-020*        | 24 | 44.40 | 46.10 | 75                              |
| 75433-050*        | 4  | 7.40  | 9.10  | 15                              |

| REVISED (MINOR)     |  | QUALITY SYMBOLS           |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | SCALE                   |  | DESIGN UNITS           |  | THIRD ANGLE PROJECTION        |  | REVISE ON CAD ONLY                                                                                                            |  |
|---------------------|--|---------------------------|--|---------------------------------------|--|-------------------------|--|------------------------|--|-------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|
| EC NO: UCP2010-1307 |  | DRAWN: JINGHAM 2009/11/23 |  | CHECKED: JONIAK 2009/11/23            |  | APPR: JLAURX 2009/11/24 |  | 5:1                    |  | METRIC                        |  |                                                                                                                               |  |
| B2                  |  | DESCRIPTION               |  | 4 PLACES ±                            |  | 3 PLACES ±              |  | 2 PLACES ±             |  | 1 PLACE ±                     |  | ANGULAR ±                                                                                                                     |  |
|                     |  |                           |  | mm                                    |  | INCH                    |  | DRAFT WHERE APPLICABLE |  | MUST REMAIN WITHIN DIMENSIONS |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
|                     |  |                           |  | DIMENSION STYLE                       |  | MM ONLY                 |  | DRAWN BY               |  | DATE                          |  | TITLE                                                                                                                         |  |
|                     |  |                           |  |                                       |  |                         |  | NMARTIN                |  | 2004/02/09                    |  | GBX 3-PAIR OPEN END BACKPLANE SALES ASSEMBLY                                                                                  |  |
|                     |  |                           |  |                                       |  |                         |  | CHECKED BY             |  | DATE                          |  | MOLEX INCORPORATED                                                                                                            |  |
|                     |  |                           |  |                                       |  |                         |  | SREED                  |  | 2004/02/09                    |  | MATERIAL NO.                                                                                                                  |  |
|                     |  |                           |  |                                       |  |                         |  | APPROVED BY            |  | DATE                          |  | DOCUMENT NO.                                                                                                                  |  |
|                     |  |                           |  |                                       |  |                         |  | JLAURX                 |  | 2009/11/24                    |  | SD-75433-010                                                                                                                  |  |
|                     |  |                           |  |                                       |  |                         |  |                        |  |                               |  | SHEET NO.                                                                                                                     |  |
|                     |  |                           |  |                                       |  |                         |  |                        |  |                               |  | 1 OF 1                                                                                                                        |  |

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!

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- Поставка более 17-ти миллионов наименований электронных компонентов;
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- 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;
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- 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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