

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0752374115

Status:

Active

Overview:

gbx\_backplane\_connector\_system

Description:

1.85mm by 1.85mm (.073 by .073") Pitch 5-Pair GbX® Backplane Connector System, Right Guide Header, 100 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 5.55mm (.219")

Documents:

Drawing (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

75237

Backplane

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

Right Guide Header, Keying Position A

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)

100

100

Gray (Dark)

200

No

94V-0

Yes

Yes

High Performance Alloy (HPA), Stainless Steel

Gold

Tin-Lead

High Temperature Thermoplastic

10

5

10

Vertical

0.091 In

2.30 mm

No

Yes

0.063 In

1.60 mm

Tray

0.073 In

1.85 mm

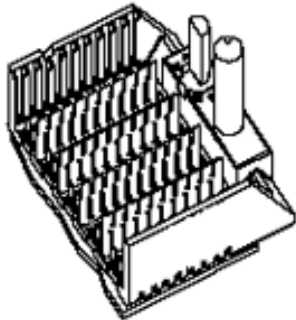
0.073 In

1.85 mm

30

0.76

30



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

75237Series

Mates With

75360 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®                                                                                                                                                            | 0622022030 |
| 5 pair by 10 wide                                                                                                                                                               |            |
| Insertion Tool, GbX®                                                                                                                                                            | 0622022040 |
| 5 pair by 20 wide                                                                                                                                                               |            |
| GbX® Single Pin                                                                                                                                                                 | 0622022090 |
| Repair Tool                                                                                                                                                                     |            |
| GbX® Shield                                                                                                                                                                     | 0622022100 |
| Removal Tool                                                                                                                                                                    |            |

|                                |                              |
|--------------------------------|------------------------------|
| 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)       | 135                 |
| Shield Type                   | Ground Plane Shield |
| Shielded                      | Yes                 |
| Voltage - Maximum             | 120V AC (RMS)/DC    |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-75221-999 |
| Sales Drawing         | SD-75237-410 |

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20 19 18 17 16 15 14 13 12 11 75237 9 8 7 6 5 4 3 2 1

L  
K  
J  
I  
H  
G  
F  
E  
D  
C  
B  
A

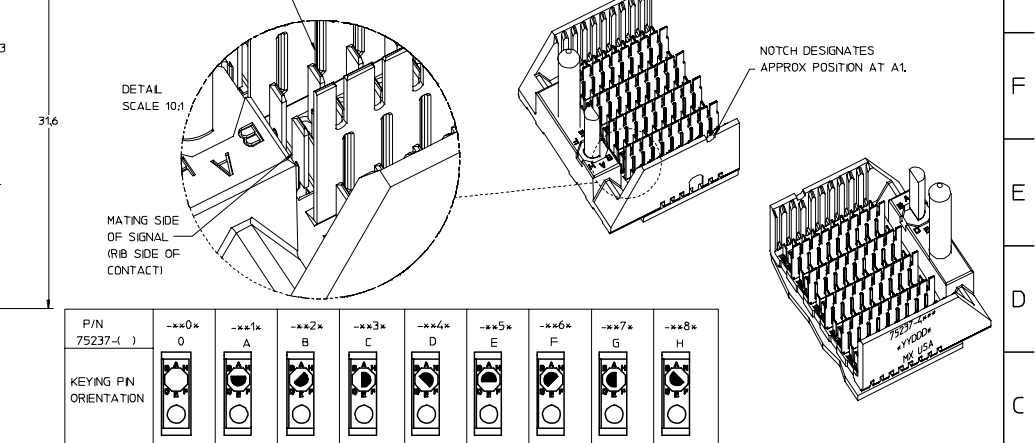
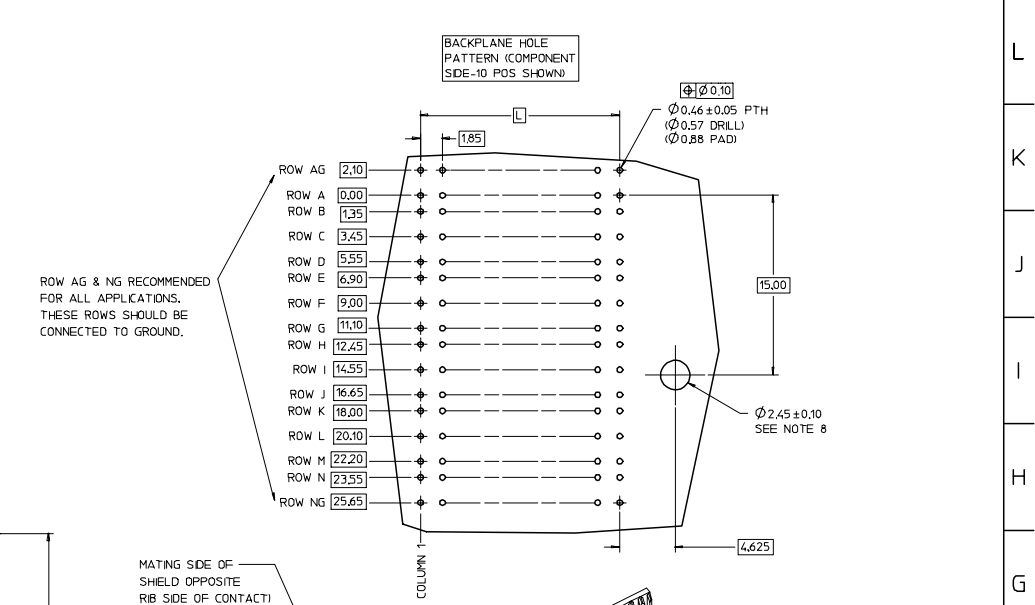


- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0. COLOR - GRAY. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
  2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS, NICKEL (Ni) OVERALL.
  3. THIS PART CONFORMS 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-70873-505.
  7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN, ON EITHER SIDE OF THE PART, OR PLACE A LABEL ON THE TUBE.
  8. OPTIONAL HOLE LOCATION FOR GROUNDED GUIDE PIN OR ADDITIONAL GUIDE PIN SUPPORT, FOR GROUNDED GUIDE PIN, HOLE TO BE PLATED, DRILL SIZE  $\varnothing 2.58$ , PAD SIZE  $\varnothing 5.50$
  9. 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 |
| 75237-41**        | 9  | 16.65 | 24.78 | 50                              |
| 75237-42**        | 24 | 44.40 | 52.53 | 125                             |

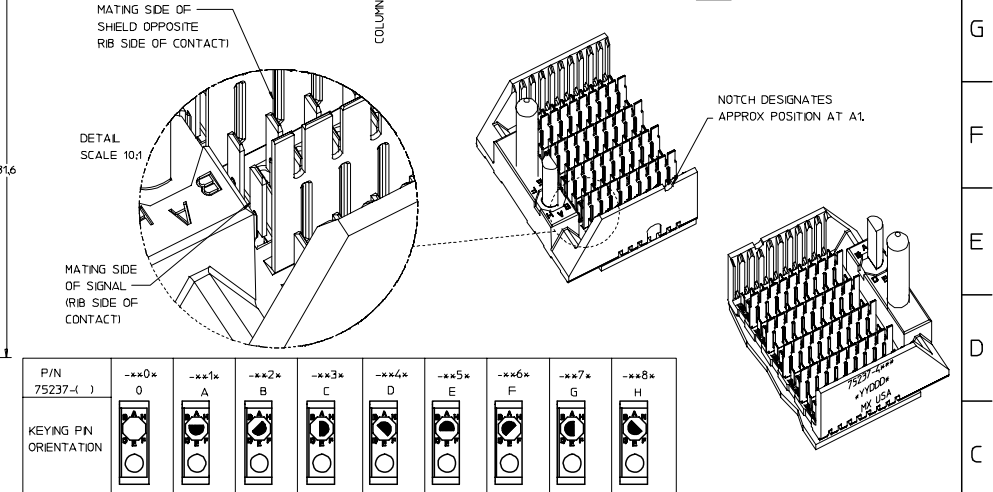
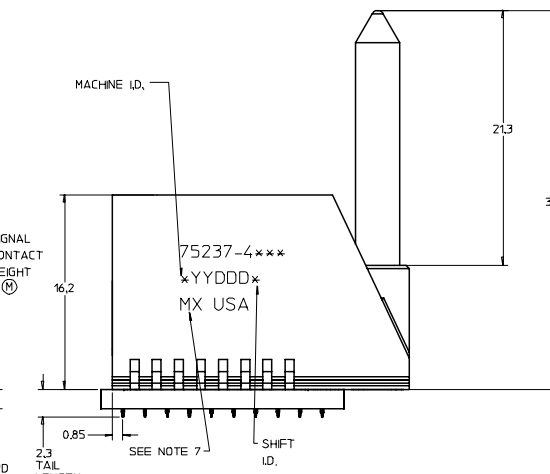
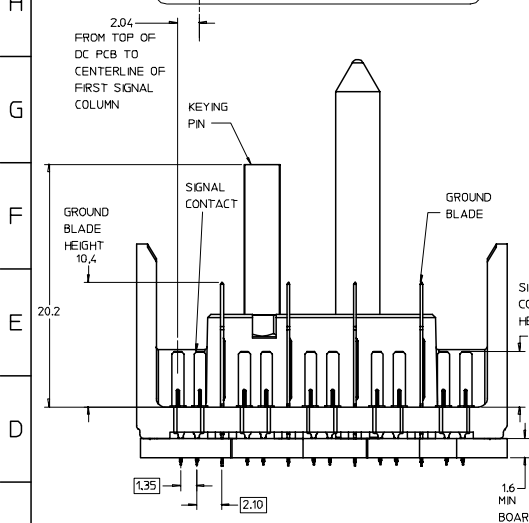
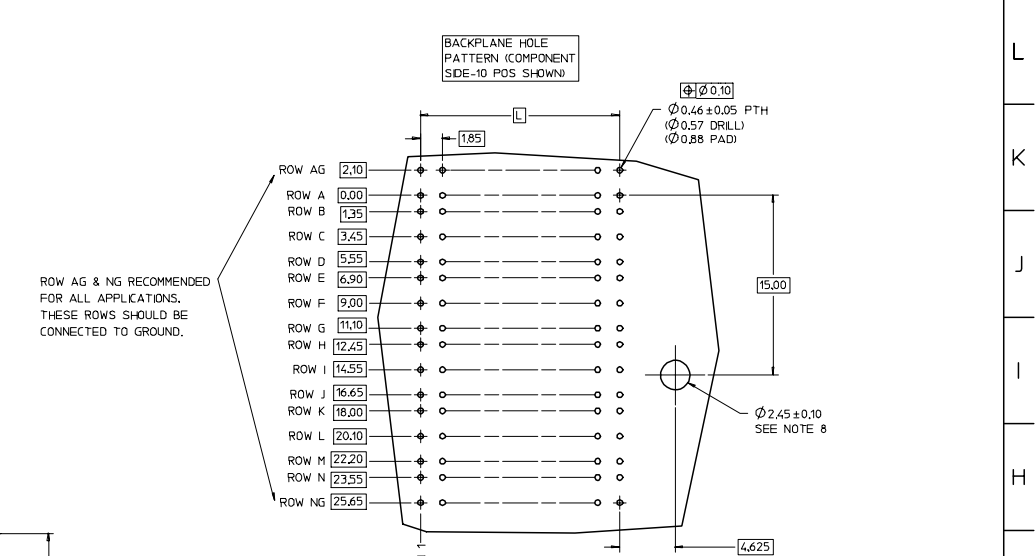
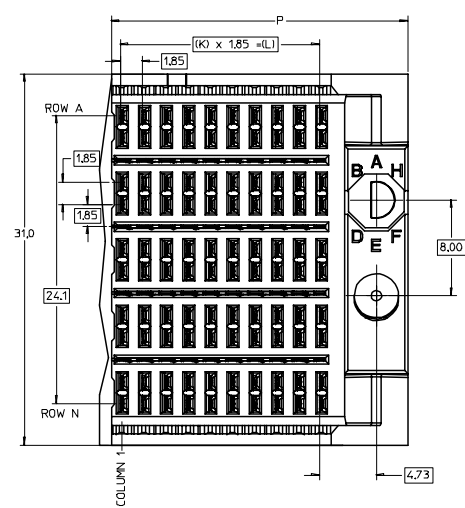
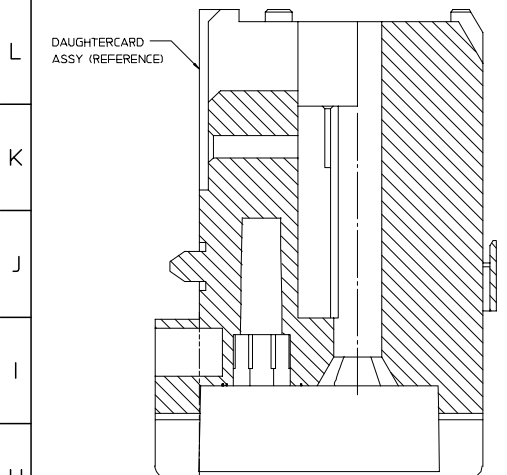
BACKPLANE HOLE PATTERN (COMPONENT SIDE-10 POS SHOWN)



|                                                                                                                  |                               |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                    |                  |
|------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------|
| REVISED<br>EC NO: UCP2007-2827<br>DRAWN: JINGHAM 2007/05/10<br>CHKD: 2007/05/15<br>APPR: SREED 2007/05/15<br>REV | QUALITY SYMBOLS<br>0.0<br>0.0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± ±<br>3 PLACES ± ±<br>2 PLACES ± ±<br>1 PLACE ± ±<br>ANGULAR ± ±<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS | SCALE 5:1<br>DESIGN UNITS METRIC<br>DIMENSION STYLE MM ONLY<br>DRAWN BY NMARTIN DATE 2004/03/16<br>CHECKED BY SREED DATE 2004/03/16<br>APPROVED BY CBIXLER DATE 2004/03/16<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | THIRD ANGLE PROJECTION<br>REVISE ON CAD ONLY | TITLE<br>GBX 5-PAIR<br>RIGHT END BACKPLANE<br>SALES ASSEMBLY<br>MOLEX MOLEX INCORPORATED<br>SEE CHART SD-75237-410 | SHEET NO. 1 OF 1 |
|                                                                                                                  |                               |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                    |                  |
|                                                                                                                  |                               |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                    |                  |
|                                                                                                                  |                               |                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                             |                                              |                                                                                                                    |                  |

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

20 19 18 17 16 15 14 13 12 11 75237 9 8 7 6 5 4 3 2 1



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|                                                              |    |       |       |                                 |
|--------------------------------------------------------------|----|-------|-------|---------------------------------|
| MODULE ORIENTATION<br>4 - RIGHT                              |    |       |       |                                 |
| 75237-4***                                                   |    |       |       |                                 |
| COLUMN<br>1 = 10 COL<br>2 = 25 COL                           |    |       |       |                                 |
| KEYING ORIENTATION<br>(SEE TABLE)                            |    |       |       |                                 |
| PIN LENGTH<br>DIM "M"<br>3=3.55 mm<br>4=4.55 mm<br>5=5.55 mm |    |       |       |                                 |
| PART NUMBER TABLE                                            |    |       |       |                                 |
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| 75237-41**                                                   | 9  | 16.65 | 24.78 | 50                              |
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| P/N                    | -xx0* | -xx1* | -xx2* | -xx3* | -xx4* | -xx5* | -xx6* | -xx7* | -xx8* |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 75237-( )              | 0     | A     | B     | C     | D     | E     | F     | G     | H     |
| KEYING PIN ORIENTATION |       |       |       |       |       |       |       |       |       |

|                                                                                                                  |                           |                                                                                                                                                                                           |                                                                                                                                                                                                                |                        |                    |                                                                                                                 |                                                     |
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|                                                                                                                  |                           |                                                                                                                                                                                           |                                                                                                                                                                                                                |                        |                    |                                                                                                                 |                                                     |
|                                                                                                                  |                           |                                                                                                                                                                                           |                                                                                                                                                                                                                |                        |                    |                                                                                                                 |                                                     |
|                                                                                                                  |                           |                                                                                                                                                                                           |                                                                                                                                                                                                                |                        |                    |                                                                                                                 |                                                     |

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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