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**Part Number:** [0754652505](#)  
**Status:** **Active**  
**Overview:** [gbx\\_backplane\\_connector\\_system](#)  
**Description:** 1.85mm by 1.85mm (.073" by .073") Pitch 4-Pair GbX® Backplane L-Series Connector System, Left Guide Header, 55 Circuits, Gold (Au) 0.76µm (30µ"), Pin Length 5.55mm (.219")

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

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
Series [75465](#)  
Application Backplane  
Application Tooling Documents <a href="http://www.molex.com/pdm\_docs/ats/TM-622022099.pdf">Tooling Manual</a>  
Comments Left Guide Header, No Keying Position  
Component Type PCB Header  
Overview [gbx\\_backplane\\_connector\\_system](#)  
Product Name GbX®  
Style N/A

**Physical**

Circuits (Loaded) 55  
Circuits (maximum) 55  
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 None  
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 5  
Number of Pairs 4  
Number of Rows 11  
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

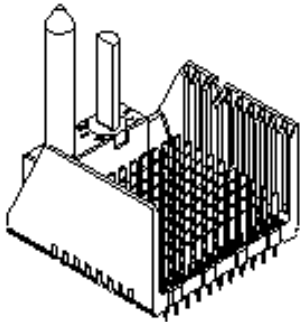


image - Reference only

Series

**EU RoHS**  
**RoHS Compliant by Exemption**  
**REACH SVHC**  
**Contains SVHC: No**  
**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**  
[75465Series](#)

**Mates With**  
GbX® Daughtercards [75420](#) , [75426](#)

**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® Backplane 4 Pair By 5 Wide L Series Insertion Tool | <a href="#">0622022015</a> |
| GbX® Single Pin Repair Tool                             | <a href="#">0622022090</a> |

|                                |                              |
|--------------------------------|------------------------------|
| Plating min: Termination (μin) | 30                           |
| 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)       | 149              |
| Shield Type                   | N/A              |
| Shielded                      | No               |
| Voltage - Maximum             | 120V AC (RMS)/DC |

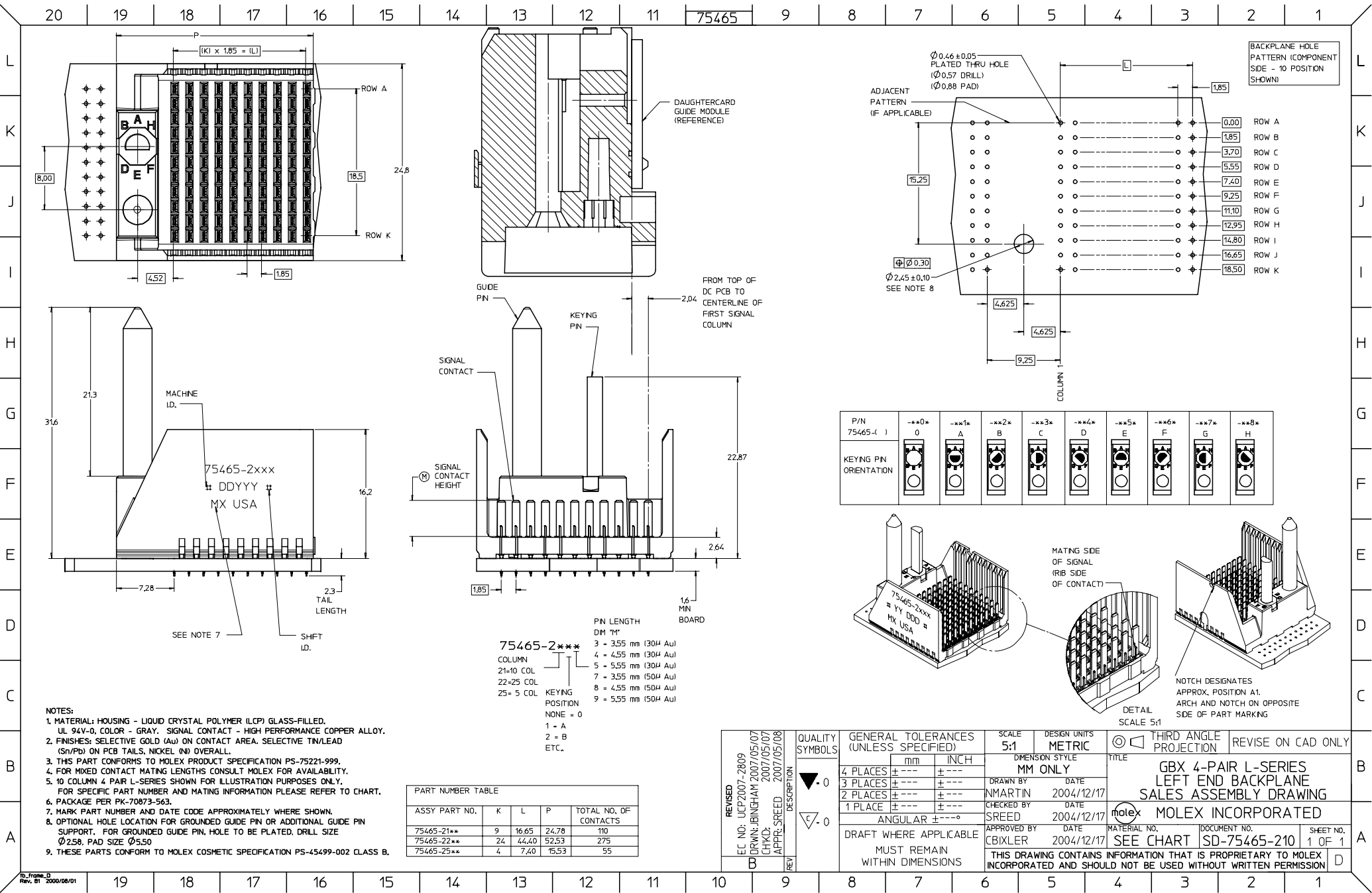
**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-70873-563 |
| Product Specification   | PS-75221-999 |
| Sales Drawing           | SD-75465-210 |

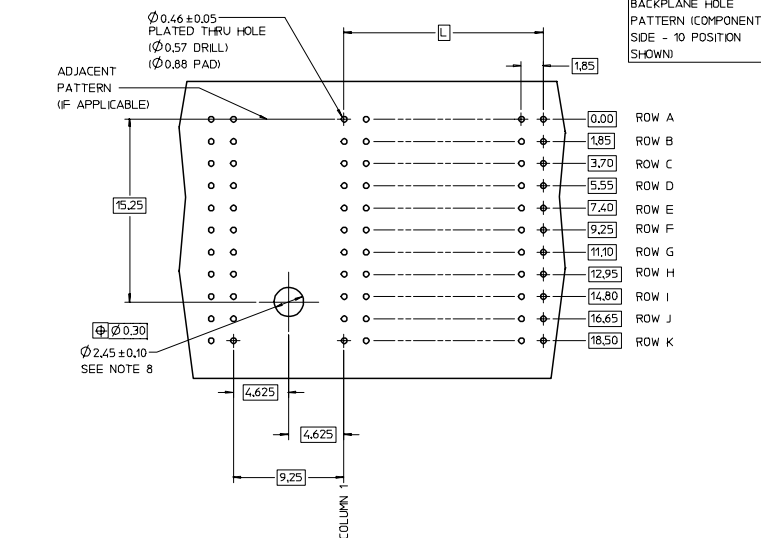
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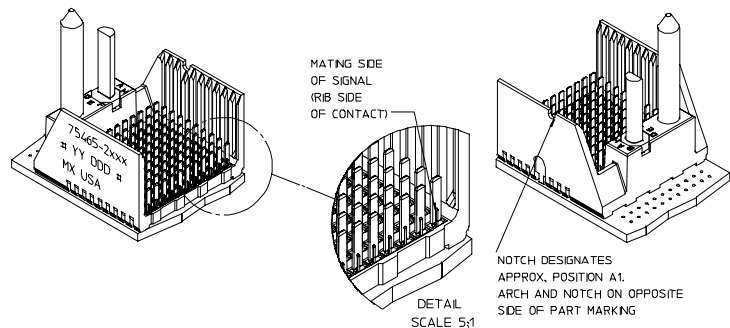


- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED, UL 94V-0, COLOR - GRAY. SIGNAL CONTACT - HIGH PERFORMANCE COPPER ALLOY.
  2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA. SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS. NICKEL (Ni) OVERALL.
  3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
  4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY.
  5. 10 COLUMN 4 PAIR L-SERIES SHOWN FOR ILLUSTRATION PURPOSES ONLY. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
  6. PACKAGE PER PK-70873-563.
  7. MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.
  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 CONTACTS |
| 75465-21**        | 9  | 16.65 | 24.78 | 110                   |
| 75465-22**        | 24 | 44.40 | 52.53 | 275                   |
| 75465-25**        | 4  | 7.40  | 15.53 | 55                    |



| P/N                    | 75465-4 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------------|---------|---|---|---|---|---|---|---|---|---|
| KEYING PIN ORIENTATION |         |   |   |   |   |   |   |   |   |   |



|                                                                                                           |             |                 |                                       |       |                                                                                                                               |                            |                                                                                       |                                                                              |                    |   |  |
|-----------------------------------------------------------------------------------------------------------|-------------|-----------------|---------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------|---|--|
| REVISED<br>EC NO: UCP2007-2809<br>DRAWN: BINGHAN 2007/05/07<br>CHKD: 2007/05/07<br>APPR: SREED 2007/05/08 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | SCALE<br>5:1                                                                                                                  | DESIGN UNITS<br>METRIC     |  | THIRD ANGLE PROJECTION                                                       | REVISE ON CAD ONLY | B |  |
|                                                                                                           |             |                 |                                       | mm    | INCH                                                                                                                          | DIMENSION STYLE<br>MM ONLY |                                                                                       | TITLE<br>GBX 4-PAIR L-SERIES<br>LEFT END BACKPLANE<br>SALES ASSEMBLY DRAWING |                    |   |  |
|                                                                                                           |             |                 | 4 PLACES                              | ± --- | ± ---                                                                                                                         | DRAWN BY<br>NMARTIN        |                                                                                       | DATE<br>2004/12/17                                                           |                    |   |  |
|                                                                                                           |             |                 | 3 PLACES                              | ± --- | ± ---                                                                                                                         | CHECKED BY<br>SREED        |                                                                                       | DATE<br>2004/12/17                                                           |                    |   |  |
|                                                                                                           |             |                 | 2 PLACES                              | ± --- | ± ---                                                                                                                         |                            |                                                                                       |                                                                              |                    |   |  |
|                                                                                                           |             |                 | 1 PLACE                               | ± --- | ± ---                                                                                                                         |                            |                                                                                       |                                                                              |                    |   |  |
|                                                                                                           |             |                 | ANGULAR ± ---°                        |       |                                                                                                                               |                            |                                                                                       |                                                                              |                    |   |  |
|                                                                                                           |             |                 | DRAFT WHERE APPLICABLE                |       |                                                                                                                               |                            |                                                                                       |                                                                              |                    |   |  |
|                                                                                                           |             |                 | MUST REMAIN<br>WITHIN DIMENSIONS      |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                                                                                       |                                                                              |                    |   |  |
|                                                                                                           |             |                 |                                       |       |                                                                                                                               |                            |                                                                                       |                                                                              |                    |   |  |

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### Офис по работе с юридическими лицами:

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