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**Part Number:** [0752374205](#)  
**Status:** **Active**  
**Overview:** [GbX Backplane Connector System](#)  
**Description:** GbX 5 Pair Backplane Connector System, Right Guide Header, 250 Circuits, 25 Columns, Gold (Au) 0.76µm, Pin Length 5.55mm

**Documents:**

|                               |                                                              |
|-------------------------------|--------------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-75221-999-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

**Agency Certification**

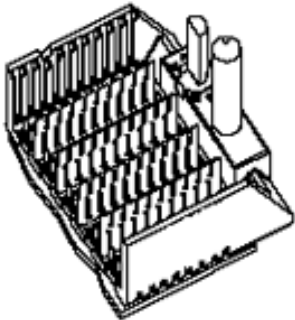
|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**General**

|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                           |
| Series                        | <a href="#">75237</a>                                                          |
| Application                   | Backplane                                                                      |
| Application Tooling Documents | TM-622022099                                                                   |
| Comments                      | Right Guide Header, No Keying Position, Right Guide Header, No Keying Position |
| Component Type                | PCB Header                                                                     |
| Overview                      | <a href="#">GbX Backplane Connector System</a>                                 |
| Product Name                  | GbX                                                                            |
| UPC                           | 822350178273                                                                   |

**Physical**

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| Circuits (Loaded)              | 250                                           |
| Circuits (maximum)             | 250                                           |
| 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                |
| Net Weight                     | 15.413/kg                                     |
| Number of Columns              | 25                                            |
| Number of Pairs                | 5                                             |
| Number of Rows                 | 10                                            |
| Orientation                    | Vertical                                      |
| PC Tail Length                 | 2.30mm                                        |
| PCB Locator                    | No                                            |
| PCB Retention                  | Yes                                           |
| PCB Thickness - Recommended    | 1.60mm                                        |
| Packaging Type                 | Tray                                          |
| Pitch - Mating Interface       | 1.85mm                                        |
| Pitch - Termination Interface  | 1.85mm                                        |
| Plating min - Mating           | 0.762µm                                       |
| Plating min - Termination      | 0.762µm                                       |
| Polarized to PCB               | No                                            |
| Stackable                      | Yes                                           |
| Surface Mount Compatible (SMC) | Yes                                           |
| Temperature Range - Operating  | 105°C                                         |
| Termination Interface: Style   | Through Hole - Compliant Pin                  |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Reviewed**

**China RoHS**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

For more information, please visit [Contact US](#)

|                 |              |
|-----------------|--------------|
| China ROHS      | Not Reviewed |
| ELV             | Not Relevant |
| RoHS Phthalates | Not Reviewed |

**Search Parts in this Series**

[75237](#) Series

**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, 5-Pair by 25-Wide | <a href="#">622022050</a> |
| Single Pin Repair Tool            | <a href="#">622022090</a> |
| Shield Removal Tool               | <a href="#">622022100</a> |

**Electrical**

|                               |                     |
|-------------------------------|---------------------|
| Current - Maximum per Contact | 1.0A                |
| Data Rate                     | 8.0 Gbps            |
| Real Signals (per 25mm)       | 135                 |
| Shield Type                   | Ground Plane Shield |
| Shielded                      | Yes                 |
| Voltage - Maximum             | 120V AC (RMS)/DC    |

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                       |                  |
|-----------------------|------------------|
| Product Specification | PS-75221-999-001 |
| Sales Drawing         | SD-75237-410     |

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