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**Part Number:** [0755144777](#)  
**Status:** **Active - Custom**  
**Overview:** [gbx\\_backplane\\_connector\\_system](#)  
**Description:** 1.85mm by 1.85mm (.073 by .073") Pitch 5-Pair GbX® Backplane Connector System, Power Module, 10 Circuits, 1.27µm (50µ") Gold (Au)

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

**General**

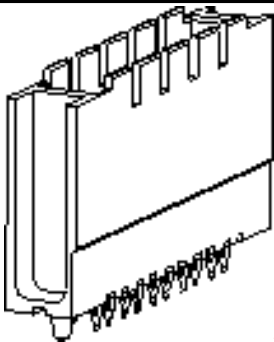
|                               |                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------|
| Product Family                | Backplane Connectors                                                            |
| Series                        | <a href="#">75514</a>                                                           |
| Application                   | Backplane                                                                       |
| Application Tooling Documents | <a href="http://www.molex.com/pdm_docs/ats/TM-622022099.pdf">Tooling Manual</a> |
| Comments                      | Blade Length A 4.50mm, B 4.50mm, C 7.50mm, D 7.50mm, E 7.50mm                   |
| Component Type                | Power Header                                                                    |
| Overview                      | <a href="#">gbx_backplane_connector_system</a>                                  |
| Product Name                  | GbX®                                                                            |
| Style                         | N/A                                                                             |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 10                             |
| Circuits (maximum)             | 10                             |
| Circuits Detail                | Rows A, B, C, D & E            |
| Color - Resin                  | Gray (Dark)                    |
| Durability (mating cycles max) | 250                            |
| First Mate / Last Break        | Yes                            |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | 90/10 Tin Lead                 |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Columns              | N/A                            |
| Number of Pairs                | 5                              |
| Number of Rows                 | 5                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 2.40mm (.094")                 |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm (.063")                 |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 1.85mm (.073")                 |
| Pitch - Termination Interface  | 1.85mm (.073")                 |
| Plating min - Mating           | 1.270µm (50µ")                 |
| Plating min - Termination      | 0.762µm (30µ")                 |
| Polarized to PCB               | Yes                            |
| Stackable                      | Yes                            |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -55°C to +105°C                |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

**Electrical**

|                               |    |
|-------------------------------|----|
| Current - Maximum per Contact | 6A |
|-------------------------------|----|



Series  
image - Reference only

**EU RoHS**  
**RoHS Compliant by Exemption**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**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**  
[75514Series](#)

**Mates With**  
[75292 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 Module, GbX® 5 pair 1 - Up Power Module | <a href="#">0622022007</a> |

|                   |                  |
|-------------------|------------------|
| Data Rate         | 8.0 Gbps         |
| Voltage - Maximum | 120V AC (RMS)/DC |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-75221-999 |
| Sales Drawing         | SD-75510-001 |

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