

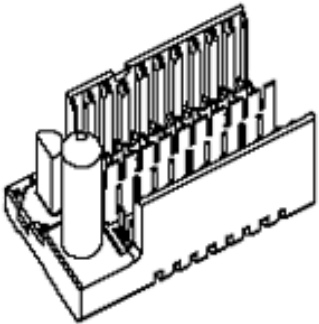
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**Part Number:** [0758272144](#)  
**Status:** **Active**  
**Overview:** [GbX Backplane Connector System](#)  
**Description:** GbX 2 Pair Backplane Connector System, Left Guide Header, 40 Circuits, 10 Columns, Gold (Au) 0.76µm, Pin Length 4.55mm, Key Orientation D

**Documents:**  
[3D Model](#) [Product Specification PS-75221-999-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Packaging Specification PK-70873-5058 \(PDF\)](#)  
[3D Model \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

|                               |                                                                            |
|-------------------------------|----------------------------------------------------------------------------|
| <b>Agency Certification</b>   |                                                                            |
| UL                            | E29179                                                                     |
| <b>General</b>                |                                                                            |
| Product Family                | Backplane Connectors                                                       |
| Series                        | <a href="#">75827</a>                                                      |
| Application                   | Backplane                                                                  |
| Application Tooling Documents | TM-622022099                                                               |
| Comments                      | Left Guide Header, Keying Position D, Left Guide Header, Keying Position D |
| Component Type                | PCB Header                                                                 |
| Overview                      | <a href="#">GbX Backplane Connector System</a>                             |
| Product Name                  | GbX                                                                        |
| UPC                           | 822350869805                                                               |

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| <b>Physical</b>                |                                               |
| Circuits (Loaded)              | 40                                            |
| Circuits (maximum)             | 40                                            |
| 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          | Yes                                           |
| Material - Metal               | High Performance Alloy (HPA), Stainless Steel |
| Material - Plating Mating      | Gold                                          |
| Material - Plating Termination | Tin-Lead                                      |
| Material - Resin               | High Temperature Thermoplastic                |
| Net Weight                     | 6.036/g                                       |
| Number of Columns              | 10                                            |
| Number of Pairs                | 2                                             |
| Number of Rows                 | 4                                             |
| 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                                         |



Series image - Reference only

|                                                                                                                                                                                                                                               |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                          |                   |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/71/2019 (16 July<br>2019)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b> |
| China ROHS                                                                                                                                                                                                                                    | Green Image       |
| ELV                                                                                                                                                                                                                                           | Not Relevant      |
| RoHS Phthalates                                                                                                                                                                                                                               | Not Contained     |

**Search Parts in this Series**  
[75827](#) Series

**Mates With**  
[75650](#) 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.*

|                                                   |                           |
|---------------------------------------------------|---------------------------|
| <b>Global</b>                                     |                           |
| <b>Description</b>                                | <b>Product #</b>          |
| GbX 2-Pair by 10-Wide Differential Insertion Tool | <a href="#">622022410</a> |

|                                    |                              |
|------------------------------------|------------------------------|
| Termination Interface: Style       | Through Hole - Compliant Pin |
| <b>Electrical</b>                  |                              |
| Current - Maximum per Contact      | 1.0A                         |
| Data Rate                          | 8.0 Gbps                     |
| Real Signals (per 25mm)            | 54                           |
| Shield Type                        | Ground Plane Shield          |
| Shielded                           | Yes                          |
| Voltage - Maximum                  | 120V AC (RMS)/DC             |
| <b>Solder Process Data</b>         |                              |
| Lead-freeProcess Capability        | N/A                          |
| <b>Material Info</b>               |                              |
| <b>Reference - Drawing Numbers</b> |                              |
| Packaging Specification            | PK-70873-5058                |
| Product Specification              | PS-75221-999-001             |
| Sales Drawing                      | SD-75827-210                 |

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