



**Part Number :** [757053824](#)  
**Product Description :** GbX I-Trac Vertical Header Module, 1.85mm by 3.70mm Pitch, Left Guide, Right Open, 11 Rows, 8 Columns, 176 Circuits, Key Orientation B, Mating Pin Length 5.70mm  
**Series Number :** 75705  
**Status :** Active  
**Product Category :** Backplane Connectors



## Documents & Resources

**Drawings**  
[757053824\\_sd.pdf](#)  
[PK-70873-587-001.pdf](#)

**Specifications**  
[PS-45499-002-001.pdf](#)  
[PS-75710-999-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                |
|--------------------|------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                   |
| China RoHS         |                                                |
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                 |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024) |
| EU RoHS            | Compliant per EU 2015/863                      |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                           |
| Category       | Backplane Connectors                                                                                                                                             |
| Series         | 75705                                                                                                                                                            |
| Description    | GbX I-Trac Vertical Header Module, 1.85mm by 3.70mm Pitch, Left Guide, Right Open, 11 Rows, 8 Columns, 176 Circuits, Key Orientation B, Mating Pin Length 5.70mm |
| Application    | Backplane, Midplane, Orthogonal                                                                                                                                  |
| Component Type | PCB Header                                                                                                                                                       |
| Product Name   | GbX I-Trac                                                                                                                                                       |
| UPC            | 884982253582                                                                                                                                                     |

#### Agency

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

#### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1.0A             |
| Data Rate                     | 12.0 Gbps        |
| Real Signals (per 25mm)       | 148              |
| Shield Type                   | N/A              |
| Shielded                      | No               |
| Voltage - Maximum             | 120V AC (RMS)/DC |

#### Physical

|                                |       |
|--------------------------------|-------|
| Circuits (Loaded)              | 176   |
| Circuits (maximum)             | 176   |
| Color - Resin                  | Black |
| 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)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 10.645/g                       |
| Number of Columns              | 8                              |
| Number of Pairs                | 6, Open Pin Field              |
| Number of Rows                 | 11                             |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| PC Tail Length                 | 2.10mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Pitch - Mating Interface       | 1.85mm, 3.70mm                 |
| Pitch - Termination Interface  | 1.00mm, 2.70mm                 |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 0.762µm                        |
| Polarized to PCB               | No                             |
| Stackable                      | No                             |
| Temperature Range - Operating  | -55° to +80°C                  |
| Termination Interface Style    | Through Hole - Compliant Pin   |

## Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

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## Mates With / Use With

### Mates with Part(s)

| Description                                 | Part Number  |
|---------------------------------------------|--------------|
| GbX I-Trac Right-Angle Daughtercard Modules | <u>75710</u> |

Use with Part(s)

| Description                     | Part Number  |
|---------------------------------|--------------|
| GbX I-Trac Vertical Receptacles | <u>78232</u> |
| GbX Backplane Guide Pins        | <u>75234</u> |