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**Part Number:** [75705-1603](#)  
**Status:** **Active**  
**Overview:** GbX I-Trac™ Backplane Connector System  
**Description:** 1.85mm by 3.70mm Pitch, GbX I-Trac™ Vertical Header Module, Unguided, Open Ends, 11 Rows, 6 Columns, 132 Circuits, Mating Pin Length 4.70mm

**Documents:**

[3D Model](#) [Product Specification PS-75710-999 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

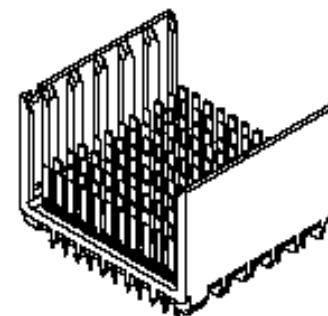
Product Family Backplane Connectors  
 Series [75705](#)  
 Application Backplane, Midplane, Orthogonal  
 Component Type PCB Header  
 Overview [GbX I-Trac™ Backplane Connector System](#)  
 Product Name GbX I-Trac™  
 Style N/A

**Physical**

Circuits (Loaded) 132  
 Circuits (maximum) 132  
 Color - Resin Black  
 Durability (mating cycles max) 200  
 First Mate / Last Break No  
 Flammability 94V-0  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Material - Metal High Performance Alloy (HPA)  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Number of Columns 6  
 Number of Pairs 6, Open Pin Field  
 Number of Rows 11  
 Orientation Vertical  
 PC Tail Length 2.10mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 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 Yes  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -55°C to +80°C  
 Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact 1A



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Low-Halogen Status  
Not Reviewed**

**China RoHS**



**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**

[75705Series](#)

**Mates With**

[75710 GbX I-Trac™ Right Angle Receptacle Module](#)

**Use With**

[78232 GbX I-Trac™ Vertical Power Receptacle](#). [75234 Backplane Free Standing Guide Pin](#)

**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 #
Press-In Tool for Vertical Header 11-Row, 6-Column	<a href="#">0622018602</a>

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

**Material Info**

UPC	822350290357
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**Reference - Drawing Numbers**

Product Specification	PS-75710-999
Sales Drawing	SD-75705-001

This document was generated on 06/25/2012

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