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**Part Number:** [76035-1825](#)

**Status:** **Active**

**Overview:** GbX I-Trac™ Backplane Connector System

**Description:** 1.85mm by 3.70mm Pitch, GbX I-Trac™ Vertical Header Module, Unguided, Dual End Walls, 15 Rows, 8 Columns, 240 Circuits, Staggered Mating Pin Length 4.70mm & 5.70mm

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-75710-999 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

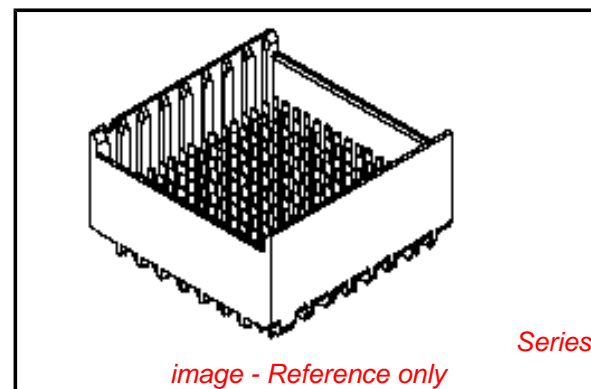
UL E29179

**General**

Product Family	Backplane Connectors
Series	<a href="#">76035</a>
Application	Backplane, Midplane, Orthogonal
Component Type	PCB Header
Overview	<a href="#">GbX I-Trac™ Backplane Connector System</a>
Product Name	GbX I-Trac™
Style	N/A
UPC	822350890601

**Physical**

Circuits (Loaded)	240
Circuits (maximum)	240
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
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
Net Weight	8.366/g
Number of Columns	8
Number of Pairs	8, Open Pin Field
Number of Rows	15
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	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +80°C
Termination Interface: Style	Through Hole - Compliant Pin



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No Low-Halogen Status Low-Halogen**

**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**

[76035Series](#)

**Mates With**

[76040 GbX I-Trac™ Right Angle Receptacle Module](#)

**Use With**

[78237 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 #
Backplane Insertion	<a href="#">0621005110</a>
Tool for Signal Contact Insertion	

**Electrical**

Current - Maximum per Contact	1A
Data Rate	12.0 Gbps
Real Signals (per 25mm)	202
Shield Type	N/A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

**Material Info****Reference - Drawing Numbers**

Product Specification	PS-75710-999
Sales Drawing	SD-76035-001

Press-In Tool for <u>0622018619</u> Vertical Header 15- Row, 8-Column
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