

molex 757053103 GbX I Trac Vertical Header Module Instructions

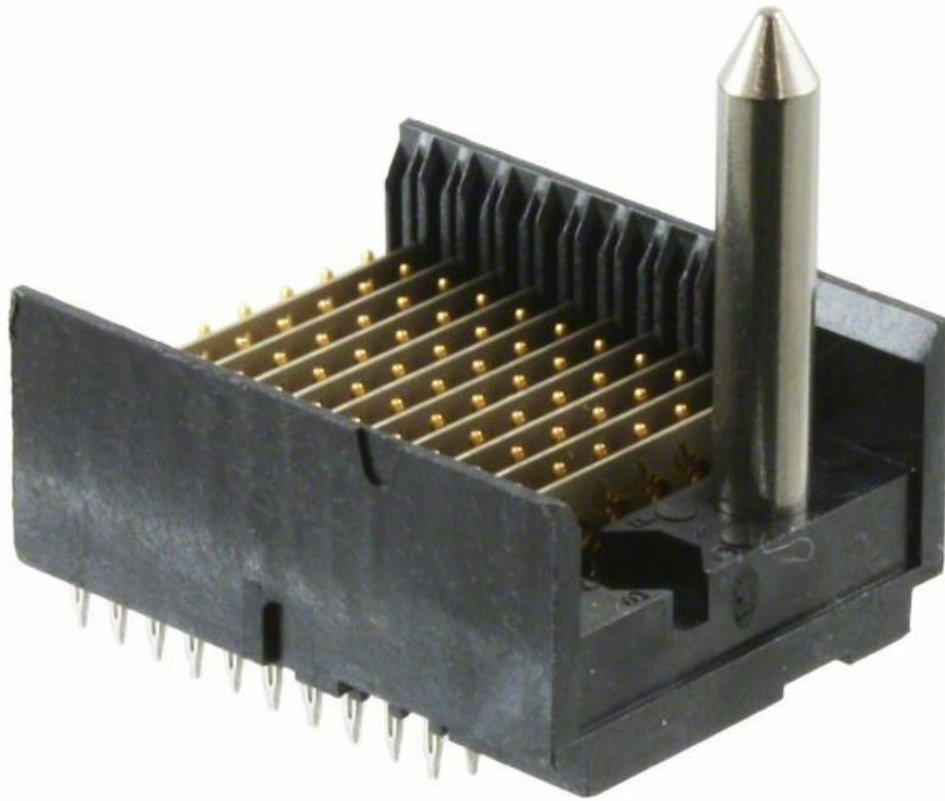
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molex 757053103 GbX I Trac Vertical Header Module



Product Information

- **Part Number:** 757053103
- **Product Description:** GbX I-Trac Vertical Header Module
- **Pitch:** 1.85mm by 3.70mm
- **Guide:** Left
- **Open:** Right
- **Rows:** 11
- **Columns:** 10
- **Circuits:** 220
- **Mating Pin Length:** 4.70mm
- **Series Number:** 75705
- **Status:** Active
- **Product Category:** Backplane Connectors

Product Usage Instructions

To use the GbX I-Trac Vertical Header Module, please follow the instructions below:

1. Identify the GbX I-Trac Vertical Header Module with the part number 757053103.
2. Ensure that the pitch is set to 1.85mm by 3.70mm for proper connection.
3. Position the module with the left guide facing outward and the right side open.
4. Align the module with the mating receptacle or daughtercard module.
5. Insert the module into the receptacle or daughtercard module, ensuring proper alignment.
6. Verify that the module is securely connected with all circuits properly engaged.
7. If using multiple modules, stack them according to the desired configuration.
8. Ensure that the temperature range during operation is within the specified limits.

9. For soldering, refer to the solder process data provided in the user manual.

Note: The GbX I-Trac Vertical Header Module is compatible with GbX I-Trac Right-Angle Daughtercard Modules (Part Number 75710) and GbX Vertical Receptacles (Part Numbers 78232 and 75234).

FEATURES

- **Part Number:** 757053103
- **Product Description:** GbX I-Trac Vertical Header Module, 1.85mm by 3.70mm Pitch, Left Guide, Right Open, 11 Rows, 10 Columns, 220 Circuits, Mating Pin Length 4.70mm
- **Series Number:** 75705
- **Status:** Active
- **Product Category:** Backplane Connectors

Documents & Resources

Drawings

- Drawing 757053103_sd.pdf
- Packaging Design Drawing PK-70873-587-001.pdf

3D Models and Design Files

- 3D Model 757053103_stp.zip

Specifications

- Product Specification PS-45499-002-001.pdf
- Product Specification 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(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

Multiple-Part Product Compliance Statements

- 1. Eu RoHS
- 2. REACH SVHC
- 3. 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

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, 10 Columns, 220 Circuits, Mating Pin Length 4.70mm
Application	Backplane, Midplane, Orthogonal
Component Type	PCB Header
Product Family	GbX I-Trac Backplane Connector System
Product Name	GbX I-Trac
UPC	822350732215

Agency

UL	E29179
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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)	220
Circuits (maximum)	220

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	None
Material – Metal	High Performance Alloy (HPA)
Material – Plating Mating	Gold
Material – Plating Termination	Tin
Material – Resin	High Temperature Thermoplastic
Net Weight	10.643/g
Number of Columns	10
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	75710

Use with Part(s)

Description	Part Number
GbX I-Trac Vertical Receptacles	78232
GbX Backplane Guide Pins	75234

This document was generated on Sep 26, 2023

Documents / Resources

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References

- [Molex Tools](#)
- [molex.com/bin/molex/rohspdf?partNumber=757053103](#)