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Part Number:

0757051513

Status:

Active

Overview:

GbX I-Trac™ Backplane Connector System

Description:

GbX I-Trac™ Vertical Header Module, 1.85mm by 3.70mm Pitch, Unguided, Left End Wall, 11 Rows, 5 Columns, 110 Circuits, Mating Pin Length 4.70mm

Documents:

3D Model

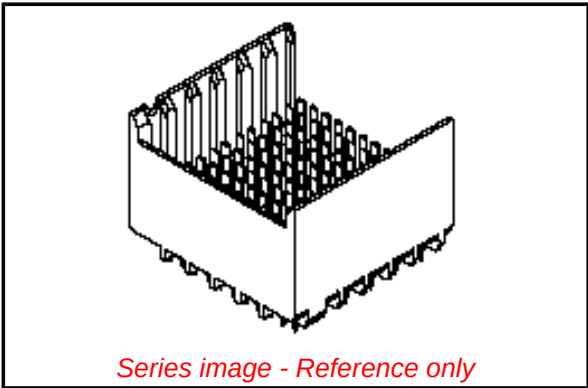
Packaging Specification PK-70873-587 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-75710-999 (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™                            |
| UPC                            | 822350968065                           |
| Physical                       |                                        |
| Circuits (Loaded)              | 110                                    |
| Circuits (maximum)             | 110                                    |
| 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         |
| Net Weight                     | 3.895/g                                |
| Number of Columns              | 5                                      |
| 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                      | No                                     |
| Surface Mount Compatible (SMC) | Yes                                    |
| Temperature Range - Operating  | -55°C to +80°C                         |
| Termination Interface: Style   | Through Hole - Compliant Pin           |
| Electrical                     |                                        |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per

-ED/79/2015 (17

December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product

environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

Please visit the [Contact Us](#) section for any

non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

75705 Series

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 #

|                                    |                  |                     |                   |
|------------------------------------|------------------|---------------------|-------------------|
| Current - Maximum per Contact      | 1.0A             | Press-In Tool       | <u>0622018601</u> |
| Data Rate                          | 12.0 Gbps        | Vertical Header 11- |                   |
| Real Signals (per 25mm)            | 148              | Row, 5-Column       |                   |
| Shield Type                        | N/A              | Backplane Insertion | <u>0621005110</u> |
| Shielded                           | No               | Tool for Signal     |                   |
| Voltage - Maximum                  | 120V AC (RMS)/DC | Contact Insertion   |                   |
| <b>Solder Process Data</b>         |                  |                     |                   |
| Lead-freeProcess Capability        | N/A              |                     |                   |
| <b>Material Info</b>               |                  |                     |                   |
| <b>Reference - Drawing Numbers</b> |                  |                     |                   |
| Packaging Specification            | PK-70873-587     |                     |                   |
| Product Specification              | PS-75710-999     |                     |                   |
| Sales Drawing                      | SD-75705-001     |                     |                   |

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