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Part Number:

0757051824

Status:

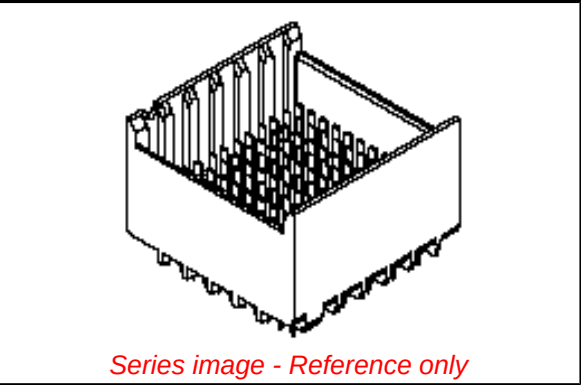
Active

Overview:

GbX I-Trac™ Backplane Connector System

Description:

GbX I-Trac™ Vertical Header Module, 1.85mm by 3.70mm Pitch, Unguided, Dual End Walls, 11 Rows, 8 Columns, 176 Circuits, Mating Pin Length 5.70mm, Orientation Key B



Documents:

3D Model

Drawing (PDF)

Product Specification PS-75710-999 (PDF)

Packaging Specification PK-70873-587 (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™                            |
| UPC                            |  | 822350884310                           |
| 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           |  | 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                     |  | 6.763/g                                |
| Number of Columns              |  | 8                                      |
| 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           |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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 #

**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 |

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-70873-587 |
| Product Specification   | PS-75710-999 |
| Sales Drawing           | SD-75705-001 |

|                     |                   |
|---------------------|-------------------|
| Backplane Insertion | <u>0621005110</u> |
| Tool for Signal     |                   |
| Contact Insertion   |                   |
| Press-In Tool for   | <u>0622018617</u> |
| Vertical Header 11- |                   |
| Row, 8-Column       |                   |

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