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Part Number:

0760351923

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, 15 Rows, 9 Columns, 270 Circuits, Mating Pin Length 4.70mm

Documents:

3D Model

Packaging Specification PK-70873-586 (PDF)

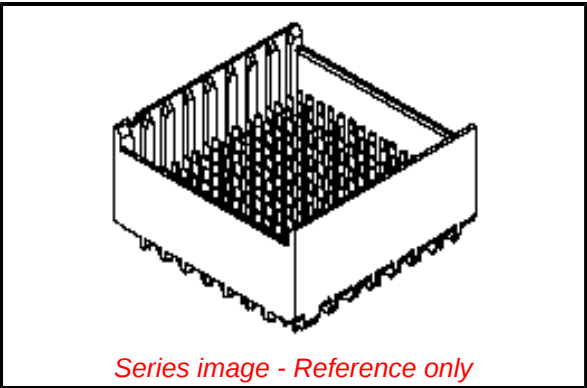
Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-75710-999-001 (PDF)

|                                |                                       |
|--------------------------------|---------------------------------------|
| Agency Certification           |                                       |
| UL                             | E29179                                |
| General                        |                                       |
| Product Family                 | Backplane Connectors                  |
| Series                         | 76035                                 |
| Application                    | Backplane, Midplane, Orthogonal       |
| Component Type                 | PCB Header                            |
| Overview                       | GbX I-Trac Backplane Connector System |
| Product Name                   | GbX I-Trac                            |
| UPC                            | 822350968614                          |
| Physical                       |                                       |
| Circuits (Loaded)              | 270                                   |
| Circuits (maximum)             | 270                                   |
| 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                     | 9.001/g                               |
| Number of Columns              | 9                                     |
| 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° to +80°C                         |
| Termination Interface: Style   | Through Hole - Compliant Pin          |

Electrical



EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

Green Image

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

Halogen-Free Status

Low-Halogen

For more information, please visit

Contact US

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

76035 Series

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

621005110

Tool for Signal Contact Insertion

|                                    |                  |                                    |
|------------------------------------|------------------|------------------------------------|
| Current - Maximum per Contact      | 1.0A             | Press-In Tool for <u>622018620</u> |
| Data Rate                          | 12.0 Gbps        | Vertical Header 15-                |
| Shield Type                        | N/A              | Row, 9-Column                      |
| Shielded                           | No               |                                    |
| Voltage - Maximum                  | 120V AC (RMS)/DC |                                    |
| <b>Solder Process Data</b>         |                  |                                    |
| Lead-freeProcess Capability        | N/A              |                                    |
| <b>Material Info</b>               |                  |                                    |
| <b>Reference - Drawing Numbers</b> |                  |                                    |
| Packaging Specification            | PK-70873-586     |                                    |
| Product Specification              | PS-75710-999-001 |                                    |
| Sales Drawing                      | SD-76035-001     |                                    |

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