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Part Number: [76020-1010](#)
Status: **Active**
Overview: GbX I-Trac™ Backplane Connector System
Description: GbX I-Trac™ Right Angle Receptacle Module, 1.85mm by 3.70mm Pitch, Unguided, 7 Row, 10 Columns, 140 Circuits, Lead-Free

Documents:

[3D Model](#) [Product Specification PS-75710-999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

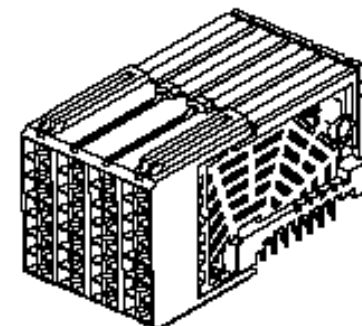
UL E29179

General

Product Family Backplane Connectors
 Series [76020](#)
 Application Coplanar, Daughtercard
 Component Type PCB Receptacle
 Overview [GbX I-Trac™ Backplane Connector System](#)
 Product Name GbX I-Trac™
 Style N/A
 UPC 822350809184

Physical

Circuits (Loaded) 140
 Circuits (maximum) 140
 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 15.520/g
 Number of Columns 10
 Number of Pairs 4, Open Pin Field
 Number of Rows 7
 Orientation Right Angle
 PC Tail Length 2.00mm
 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 Yes
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -55°C to +80°C
 Termination Interface: Style Through Hole - Compliant Pin



Series

image - Reference only

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
 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

[76020Series](#)

Mates With

[76015](#) GbX I-Trac™ Vertical Header Module. [76011](#) GbX I-Trac™ Right Angle Header Module

Use With

[78234](#) GbX I-Trac™ Right Angle Power Header. [76153](#) Pirate Cannon Wide Guide Module

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 # |
|---------------|----------------------------|
| Daughter Card | 0622023000 |
| Signal Module | |
| Removal Tool | |

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1A |
| Data Rate | 12.0 Gbps |
| Real Signals (per 25mm) | 48 |
| 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-76020-001 |

| | |
|---|-------------------|
| Press-In Tool for Right Angle Receptacle and Header 7-Row, 10- Column | <u>0622018612</u> |
|---|-------------------|

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