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**Part Number:** [0766805058](#)  
**Status:** **Active**  
**Overview:** GbX I-Trac™ Backplane Connector System  
**Description:** GbX I-Trac™ NXT Right-Angle Daughtercard Module, 1.85mm by 3.70mm Pitch, Right Guide with ESD Clip, 11 Rows, 8 Columns, 176 Circuits

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-70873-609 \(PDF\)](#)  
[Product Specification PS-75710-999 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family Backplane Connectors  
 Series [76680](#)  
 Application Coplanar, Daughtercard  
 Component Type PCB Receptacle  
 Overview [GbX I-Trac™ Backplane Connector System](#)  
 Product Name GbX I-Trac™  
 UPC 883906952631

**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 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 24.497/g  
 Number of Columns 8  
 Number of Pairs Open Pin Field  
 Number of Rows 11  
 Orientation Right Angle  
 PC Tail Length 1.30mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.00mm  
 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 Yes  
 Stackable Yes  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -55°C to +80°C  
 Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact 1.0A



Series image - Reference only

**EU ELV**

**Not Reviewed**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**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

Not Reviewed

ELV

Not Reviewed

**Search Parts in this Series**

[76680 Series](#)

**Mates With**

[75705-5803 GbX I-Trac™ Vertical Header](#)

Data Rate	12.0 Gbps
Shield Type	N/A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-70873-609
Product Specification	PS-75710-999
Sales Drawing	SD-76680-004

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