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**Part Number:** **0766805006**  
**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, 11 Rows, 6 Columns, 132 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-70873-609 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-75710-999 \(PDF\)](#)

**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 883906577476

**Physical**

Circuits (Loaded) 132  
Circuits (maximum) 132  
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 22.846/g  
Number of Columns 6  
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**



Series image - Reference only

**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**

[76680](#) Series

**Mates With**

[75705-5603](#) GbX I-Trac™ Vertical Header

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1.0A             |
| Data Rate                     | 12.0 Gbps        |
| 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-70873-609 |
| Product Specification   | PS-75710-999 |
| Sales Drawing           | SD-76680-004 |

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