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Part Number: **0766801006**
Status: **Active**
Overview: GbX I-Trac Backplane Connector System
Description: GbX I-Trac NXT Right-Angle Daughtercard Module, 1.85mm by 3.70mm Pitch, Unguided, 11 Rows, 6 Columns, 132 Circuits

Documents:

| | |
|--------------------------------|--|
| 3D Model | Product Specification PS-75710-999-001 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-70873-609-001 (PDF) |
| Drawing (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 | 883906577452 |

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 | 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 | 17.549/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° to +80°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

**Halogen-Free
Status**

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[76680 Series](#)

Mates With

[757051603 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-70873-609-001 |
| Product Specification | PS-75710-999-001 |
| Sales Drawing | SD-76680-001-001 |

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