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Part Number: **0782302101**
Status: **Active**
Overview: GbX I-Trac Backplane Connector System
Description: GbX I-Trac Right-Angle Receptacle with Right Hold Down, 1-Power Module, 2 Blades, 40 Amps, Lead-Free

Documents:

| | |
|--|--|
| 3D Model | Application Specification AS-78231-007-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-78230-001 (PDF) |
| Product Specification PS-78231-006-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

UL E29179

General

| | |
|----------------|---|
| Product Family | Backplane Connectors |
| Series | 78230 |
| Application | Coplanar, Daughtercard |
| Component Type | Power Receptacle |
| Overview | GbX I-Trac Backplane Connector System |
| Product Name | GbX I-Trac |
| UPC | 883906175306 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Circuits Detail | 40 Amps (20/Split Blade) |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| 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 | 8.189/g |
| Number of Columns | 1 |
| Number of Pairs | N/A |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 2.41mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 2.00mm, 7.40mm |
| Pitch - Termination Interface | 2.00mm, 7.40mm |
| Polarized to PCB | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -20° to +85°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

Electrical

Current - Maximum per Contact 40.0A

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

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

[78230](#) Series

Mates With

[78234](#) GbX I-Trac Right Angle Header, Power Module

Use With

[76011](#) GbX I-Trac Right Angle, 7 Row Right Angle Header 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 #

| | |
|---|----------------------------|
| Press-in Tool for Right-Angle Power Receptacle and Header for 7-Row | 0622018627 |
|---|----------------------------|

| | |
|-------------------|-----------|
| Data Rate | 12.0 Gbps |
| Shield Type | N/A |
| Shielded | No |
| Voltage - Maximum | 250V DC |

Solder Process Data

| | |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|------------------|
| Application Specification | AS-78231-007-001 |
| Packaging Specification | PK-78230-001 |
| Product Specification | PS-78231-006-001 |
| Sales Drawing | SD-78230-001 |

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