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**Part Number:** **0782291033**  
**Status:** **Active**  
**Overview:** GbX I-Trac™ Backplane Connector System  
**Description:** GbX I-Trac™ Right-Angle Header with Left Hold Down, Power Module, 2 Blades, 40 Amps, 2 Ganged Modules, Lead-Free

**Documents:**

[3D Model](#) [Application Specification AS-78231-007 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-78231-006 \(PDF\)](#)

**Agency Certification**

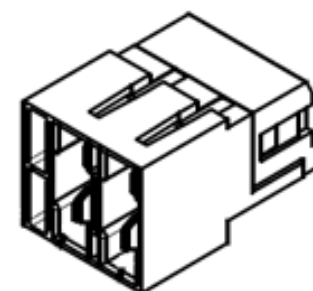
CSA LR19980  
 UL E29179

**General**

Product Family Backplane Connectors  
 Series [78229](#)  
 Application Daughtercard  
 Component Type Power Header  
 Overview [GbX I-Trac™ Backplane Connector System](#)  
 Product Name GbX I-Trac™  
 UPC 883906023362

**Physical**

Circuits (Loaded) 4  
 Circuits (maximum) 4  
 Circuits Detail 40 Amps (20/Split Blade). Power Module 1 Blade Length P1, 6.77mm; P2, 9.77mm. Power Module 2 Blade Length P1, 6.77mm; P2, 9.77mm  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 First Mate / Last Break Yes  
 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 9.782/g  
 Number of Columns 1  
 Number of Pairs 4  
 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°C to +85°C  
 Termination Interface: Style Through Hole - Compliant Pin



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**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  
 ELV

Green Image  
 Not Relevant

**Search Parts in this Series**

[78229](#) Series

**Mates With**

[78227](#) GbX I-Trac™ Vertical Receptacle, Power Module. [78230](#) GbX I-Trac™ Power Receptacle

**Use With**

[76020](#) GbX I-Trac™ Right Angle, 7 Row Receptacle 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 #**

**Electrical**

Current - Maximum per Contact	40.0A
Data Rate	12.0 Gbps
Shield Type	N/A
Shielded	No
Voltage - Maximum	250V DC

**Solder Process Data**

Lead-free Process Capability	N/A
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**Material Info****Reference - Drawing Numbers**

Application Specification	AS-78231-007
Product Specification	PS-78231-006
Sales Drawing	SD-78229-003

Press-in Tool for Right Angle Power Receptacle and Header for 7-Row	<u>0622018627</u>
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