



Part Number : 782291002

Series Number : 78229

Product Category : Backplane Connectors

Product Description : GbX I-Trac Right-Angle Header with Left Hold Down, Power Module, 2 Blades, 40 Amps, Lead-Free


Status : Active

Documents & Resources

- Drawings
- [Drawing 782291002_sd.pdf](#)
- 3D Models and Design Files
- [3D Model 782291002_stp.zip](#)
- Specifications
- [Application Specification AS-78231-007-001.pdf](#)
- [Product Specification PS-78231-006-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

Part Details

General

Status	Active
Category	Backplane Connectors
Series	78229
Description	GbX I-Trac Right-Angle Header with Left Hold Down, Power Module, 2 Blades, 40 Amps, Lead-Free
Application	Daughtercard
Component Type	Power Header
Product Family	GbX I-Trac Backplane Connector System
Product Name	GbX I-Trac
UPC	883906023355

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits Detail	40 Amps (20/Split Blade) Power Module 1 Blade Length P1, 8.27mm; P2, 9.77mm
Circuits (Loaded)	2
Circuits (maximum)	2
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	5.835/g
Number of Columns	1
Number of Pairs	4
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	2.41mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.00mm, 7.40mm
Pitch - Termination Interface	2.00mm, 7.40mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-20° to +85°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
GbX I-Trac Vertical Receptacles	<u>78227</u>

Use with Part(s)

Description	Part Number
GbX I-Trac Right-Angle Receptacle Modules	<u>76020</u>

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