Part Number : 782271001
Product Description : GbX I-Trac Vertical Receptacle, Power Module, 2 Blades, 40 Amps, Lead-Free
Series Number : 78227
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

782271001_sd.pdf

PK-78227-001-001.pdf

PK-78227-002-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-78231-006-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

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- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Backplane Connectors
Series	78227
Description	GbX I-Trac Vertical Receptacle, Power Module, 2 Blades, 40 Amps, Lead-Free
Application	Backplane, Midplane
Component Type	Power Receptacle
Product Name	GbX I-Trac
UPC	822350961400

Agency

CSA	LR19980
UL	E29179

Electrical

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

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Physical

Circuits Detail	40 Amps (20/Split Blade)
Circuits (Loaded)	4
Circuits (maximum)	4
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	No
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.585/g
Number of Columns	1
Number of Pairs	4
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.41mm
Pitch - Mating Interface	2.00mm, 7.40mm
Pitch - Termination Interface	2.00mm, 7.40mm
Polarized to PCB	No
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 Right-Angle Headers	78229

Use with Part(s)

Description	Part Number
GbX I-Trac Vertical Header Modules	76015

Application Tooling

Global

Description	Part Number
Support Tool for Vertical Power Module for 7-Row Receptacle	622018633

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