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Part Number: **0782271001**
Status: **Active**
Overview: GbX I-Trac™ Backplane Connector System
Description: GbX I-Trac™ Vertical Receptacle, Power Module, 2 Blades, 40 Amps, Lead-Free

Documents:

3D Model	Packaging Specification PK-78227-001 (PDF)
Drawing (PDF)	Packaging Specification PK-78227-002 (PDF)
Product Specification PS-78231-006-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	<u>78227</u>
Application	Backplane, Midplane
Component Type	Power Receptacle
Overview	<u>GbX I-Trac™ Backplane Connector System</u>
Product Name	GbX I-Trac™
UPC	822350961400

Physical

Circuits (Loaded)	4
Circuits (maximum)	4
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	1.585/g
Number of Columns	1
Number of Pairs	4
Number of Rows	2
Orientation	Vertical
PC Tail Length	2.41mm
PCB Locator	No
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	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	40.0A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

Halogen-Free

Status

Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

78227 Series

Mates With

78229 GbX I-Trac™ Right Angle Header
with Right Hold Down

Use With

76015 GbX I-Trac™ Vertical, 7 Row Header
Module

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

Solder Process Data

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

Packaging Specification	PK-78227-001, PK-78227-002
Product Specification	PS-78231-006-001
Sales Drawing	SD-78227-011

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