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Part Number: [0782321001](#)
Status: **Active**
Overview: GbX I-Trac™ Backplane Connector System
Description: GbX® I-Trac™ Vertical Receptacle, Power Module, 2 Blades, 80 Amps, Lead-Free

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Backplane Connectors
 Series [78232](#)
 Application Backplane, Midplane
 Component Type Power Receptacle
 Overview [GbX I-Trac™ Backplane Connector System](#)
 Product Name GbX® I-Trac™
 UPC 822350856553

Physical

Circuits (Loaded) 4
 Circuits (maximum) 4
 Circuits Detail 80 Amps (40/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 2.676/g
 Number of Columns 1
 Number of Pairs 6
 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 80.0A
 Data Rate 12.0 Gbps



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

No -ED/39/2015 (15 June 2015)

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

Search Parts in this Series

[78232](#) Series

Mates With

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

Use With

[75705](#) GbX® I-Trac™ Vertical, 11 Row 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 Vertical Power

[0622018631](#)

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**

Product Specification	PS-78231-006
Sales Drawing	SD-78232-011

Note: HDM, HDM+, VHDM, VHDM-HSD and GbX® are trademarks or registered trademarks of Amphenol TCS.

Receptacle for 11-Row	
Support Tool for Vertical Power Module for 11-Row Receptacle	<u>0622018634</u>

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