



Part Number : [760203010](#)

Product Description : GbX I-Trac Right-Angle Receptacle Module, 1.85mm by 3.70mm Pitch, Left Guide 7 Row, 10 Columns, 140 Circuits, Lead-Free

Series Number : 76020

Status : Active

Product Category : Backplane Connectors



Documents & Resources

Drawings

[Drawing 760203010_sd.pdf](#)

[Packaging Design Drawing PK-70873-607-001.pdf](#)

3D Models and Design Files

[3D Model 760203010_stp.zip](#)

Specifications

[Product Specification PS-45499-002-001.pdf](#)

[Product Specification PS-75710-999-001.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)3788-DC (14 Jun 2023)
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
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Backplane Connectors
Series	76020
Description	GbX I-Trac Right-Angle Receptacle Module, 1.85mm by 3.70mm Pitch, Left Guide 7 Row, 10 Columns, 140 Circuits, Lead-Free
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Family	GbX I-Trac Backplane Connector System
Product Name	GbX I-Trac
UPC	822350809207

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	1.0A
Data Rate	12.0 Gbps
Real Signals (per 25mm)	48
Shield Type	N/A
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Physical

Circuits (Loaded)	140
Circuits (maximum)	140
Color - Resin	Black

Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
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	18.170/g
Number of Columns	10
Number of Pairs	4, Open Pin Field
Number of Rows	7
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	2.00mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	1.85mm, 3.70mm
Pitch - Termination Interface	1.00mm, 2.70mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55° to +80°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
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GbX I-Trac Vertical Header Modules	<u>76015</u>
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Use with Part(s)

Description	Part Number
GbX I-Trac Right-Angle Headers	<u>78234</u>
Wide Guide Modules and Pins	<u>76153</u>

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