



Part Number : [760205010](#)

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

Series Number : 76020

Status : Active

Product Category : Backplane Connectors



Documents and Resources

Drawings

[760205010 sd.pdf](#)

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

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)


Specifications

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

[PS-75710-999-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)6375-DC (05 Nov 2025) SCIP:
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- 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	76020
Description	GbX I-Trac Right-Angle Receptacle Module, 1.85mm by 3.70mm Pitch, Right Guide 7 Row, 10 Columns, 140 Circuits, Lead-Free
Application	Coplanar, Daughtercard
Component Type	PCB Receptacle
Product Name	GbX I-Trac
UPC	822350809191

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	1.0A
Data Rate	12.0 Gbps
Real Signals (per 25mm)	48
Shielded	No
Shield Type	N/A
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
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.00mm
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
GbX I-Trac Vertical Header Modules	<u>76015</u>

Use with Part(s)

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

Application Tooling

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