



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

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## Documents & Resources

### Drawings

Drawing 760205010\_sd.pdf

Packaging Design Drawing PK-70873-607-001.pdf

### 3D Models and Design Files

3D Model 760205010\_stp.zip

### Specifications


Product Specification PS-45499-002-001.pdf

Product Specification PS-75710-999-001.pdf

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## 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)8585-DC (23 Jan 2024)
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

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## 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 Family	GbX I-Trac Backplane Connector System
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
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
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>

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