



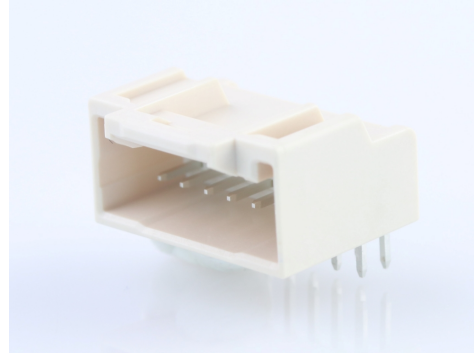
Part Number : [5018761640](#)

Product Description : 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, Matte Tin (Sn) Plating, Positive Lock, 16 Circuits, Tray, 3.20mm PC Tail Length, Natural

Series Number : 501876

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[5018761640_sd.pdf](#)

3D Models and Design Files

[5018761640.dxf](#)

[5018761640.pdf](#)

[5018761640_stp.zip](#)

Specifications

[5016460000-A00.pdf](#)

[5016460000-A01.pdf](#)


[SPK-501876-001-001.pdf](#)

[5016461001-PS-001.pdf](#)

[PS-501646-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
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	PCB Headers and Receptacles
Series	501876
Description	2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, Matte Tin (Sn) Plating, Positive Lock, 16 Circuits, Tray, 3.20mm PC Tail Length, Natural
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	iGrid
UPC	822350170901

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	2.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	16

Circuits (maximum)	16
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Polyamide
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.20mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.20mm, 1.60mm
Pitch - Mating Interface	2.00mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
iGrid Dual Row Receptacle Housings	<u>501646</u>