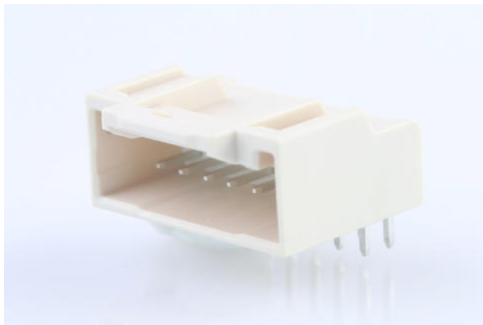




**Part Number :** [5018761640](#)  
**Product Description :** 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, Matte Tin (Sn) Plating, Positive Lock, 16 Circuits, Tray, 3.20mm PC Tail Length, Natural  
**Series Number :** 501876  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[5018761640 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[5018761640.dxf](#)

### 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	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21

REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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

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**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
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.20mm, 1.60mm
PC Tail Length	3.20mm
Pitch - Mating Interface	2.00mm
Plating min - Termination	1.000µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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## Mates With / Use With

**Mates with Part(s)**

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