



Part Number : 5018761640

Series Number : 501876

Product Category : PCB Headers and Receptacles

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  
Status : Active

Documents & Resources

Drawings

Drawing 5018761640\_sd.pdf

3D Models and Design Files

2D Drawing DXF 5018761640.dxf

2D Drawing DXF (PDF) 5018761640.pdf

3D Model 5018761640\_stp.zip

Specifications

Application Specification 5016460000-A00.pdf

Application Specification 5016460000-A01.pdf


Packaging Specification SPK-501876-001-001.pdf

Product Specification 5016461001-PS-001.pdf

Product Specification 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(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	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 Family	iGrid Wire-to-Board Dual-Row System
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
Net Weight	1370.000/mg
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

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## Mates With / Use With

### Mates with Part(s)

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