



Part Number : [5005930600](#)
Product Description : 2.00mm Pitch, iGrid
Receptacle Crimp Housing, Dual Row, Positive
Lock, 14 Circuits, Black
Series Number : 501646
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings

[Drawing 5016461401_sd.pdf](#)

3D Models and Design Files

[3D Model 5016461401_stp.zip](#)

Specifications

- [Application Specification 5016460000-A01.pdf](#)
- [Application Specification 5016460000-A00.pdf](#)
- [Packaging Specification 5016469200-200.pdf](#)
- [Product Specification 5016460000-PS-000.pdf](#)
- [Product Specification 5016461000-PS-000.pdf](#)
- [Product Specification 5016461001-PS-001.pdf](#)
- [Product Specification PS-501646-001-001.pdf](#)

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)3788-DC (14 Jun 2023)
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	Connector Housings
Series	501646
Description	2.00mm Pitch, iGrid Receptacle Crimp Housing, Dual Row, Positive Lock, 14 Circuits, Black
Application	Signal, Wire-to-Board
Product Family	iGrid Wire-to-Board Dual-Row System
Product Name	iGrid
UPC	822350100304

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	2.0A
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Physical

Circuits (maximum)	14
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No

Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	460.000/mg
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
iGrid Vertical, Dual Row, Through Hole Headers	<u>501645</u>
iGrid Vertical, Dual Row, Through Hole Headers	<u>503091</u>
iGrid Right-Angle, Dual Row, Through Hole Headers	<u>501876</u>
iGrid Right-Angle, Dual Row, Through Hole Headers	<u>208659</u>

Use with Part(s)

Description	Part Number
iGrid Female Crimp Terminals	<u>501647</u>
iGrid Female Crimp Terminals	<u>501648</u>
iGrid Female Crimp Terminals	<u>503095</u>