



**Part Number :** [5016463200](#)

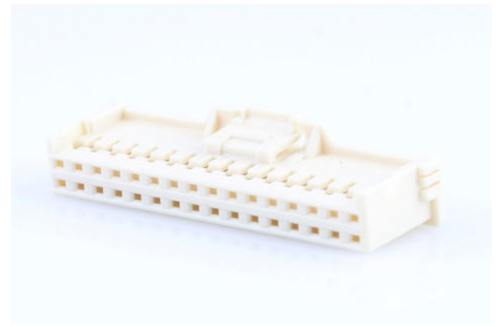
**Product Description :** 2.00mm Pitch, iGrid  
Receptacle Crimp Housing, Dual Row, Positive Lock, 32  
Circuits, Natural

**Series Number :** 501646

**Status :** Active

**Product Category :** Connector Housings

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## Documents & Resources

### Drawings

[5016463200\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[5016463200.dxf](#)

### Specifications

[5016460000-A00.pdf](#)

[5016460000-A01.pdf](#)

[5016469200-200.pdf](#)

[5016460000-PS-000.pdf](#)

[5016461000-PS-000.pdf](#)


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

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	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

## Part Details

### General

Status	Active
Category	Connector Housings
Series	501646
Description	2.00mm Pitch, iGrid Receptacle Crimp Housing, Dual Row, Positive Lock, 32 Circuits, Natural
Application	Signal, Wire-to-Board
Product Name	iGrid
UPC	822350087247

### Agency

CSA	LR19980
UL	E29179

### Physical

Circuits (maximum)	32
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Color - Resin	Natural
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Number of Rows	2
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

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## 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>

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