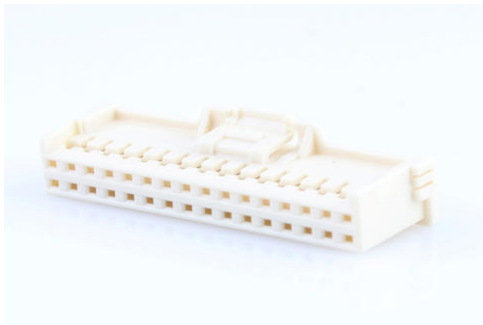




**Part Number :** [5016463200](#)  
**Product Description :** 2.00mm Pitch, iGrid  
Receptacle Crimp Housing, Dual Row, Positive Lock, 32  
Circuits, Natural  
**Series Number :** 501646  
**Status :** Active  
**Product Category :** Connector Housings



## Documents and 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](#)

## 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)7771-DC (04 Feb 2026) |
| 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     | 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 |
|--------------------|----|

|                               |                |
|-------------------------------|----------------|
| Color - Resin                 | Natural        |
| Flammability                  | 94V-0          |
| Gender                        | Receptacle     |
| Glow-Wire Capable             | No             |
| Keying to Mating Part         | No             |
| 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    | <a href="#"><u>501645</u></a> |
| iGrid Vertical, Dual Row, Through Hole Headers    | <a href="#"><u>503091</u></a> |
| iGrid Right-Angle, Dual Row, Through Hole Headers | <a href="#"><u>501876</u></a> |
| iGrid Right-Angle, Dual Row, Through Hole Headers | <a href="#"><u>208659</u></a> |

### Use with Part(s)

| Description                  | Part Number                   |
|------------------------------|-------------------------------|
| iGrid Female Crimp Terminals | <a href="#"><u>501647</u></a> |
| iGrid Female Crimp Terminals | <a href="#"><u>501648</u></a> |
| iGrid Female Crimp Terminals | <a href="#"><u>503095</u></a> |