

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** **5016462200**  
**Status:** **Active**  
**Overview:** iGrid Wire-to-Board Dual-Row System  
**Description:** 2.00mm Pitch, iGrid Receptacle Crimp Housing, Dual Row, Positive Lock, 22 Circuits, Natural

**Documents:**

|                                                               |                                                                |
|---------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Product Specification PS-501646-001-001 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Application Specification 5016460000-A00 (PDF)</a> |
| <a href="#">3D Model</a>                                      | <a href="#">Packaging Specification 5016469200-200 (PDF)</a>   |
| <a href="#">Product Specification 5016460000-PS-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                                |
| <a href="#">Product Specification 5016461000-PS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification 5016461001-PS-001 (PDF)</a> |                                                                |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                                     |
|----------------|-----------------------------------------------------|
| Product Family | Crimp Housings                                      |
| Series         | <a href="#">501646</a>                              |
| Application    | Signal, Wire-to-Board                               |
| Overview       | <a href="#">iGrid Wire-to-Board Dual-Row System</a> |
| Product Name   | iGrid                                               |
| UPC            | 822350087193                                        |

**Physical**

|                               |                |
|-------------------------------|----------------|
| Circuits (maximum)            | 22             |
| 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          |
| Net Weight                    | 660.000/mg     |
| 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 |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                                                               |
|---------------------------|-------------------------------------------------------------------------------|
| Application Specification | 5016460000-A00                                                                |
| Packaging Specification   | 5016469200-200                                                                |
| Product Specification     | 5016460000-PS-000, 5016461000-PS-000,<br>5016461001-PS-001, PS-501646-001-001 |
| Sales Drawing             | SD-501646-001-001                                                             |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[501646](#) Series

**Mates With**

iGrid Vertical Header (Tin) [501645](#) , (Gold)  
[503091](#) . iGrid Right-Angle Header (Tin)  
[501876](#) . iGrid Right-Angle Header (Gold)  
[208659](#)

**Use With**

iGrid Receptacle Terminal (Tin) 22-26  
AWG [501647](#) , 26-28 AWG [501648](#) . iGrid  
Receptacle Terminal (Gold) [503095](#)