

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **5016461800**  
**Status:** **Active**  
**Overview:** iGrid Wire-to-Board Dual-Row System  
**Description:** 2.00mm Pitch iGrid Wire-to-Board Housing, Dual Row, Positive Lock, 18 Circuits

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification 5016460000-A00 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Application Specification 5016460000-A01 (PDF)</a> |
| <a href="#">Product Specification 5016460000-PS-000 (PDF)</a> | <a href="#">Packaging Specification 5016469200-200 (PDF)</a>   |
| <a href="#">Product Specification PS-501646-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (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            | 822350087179  |

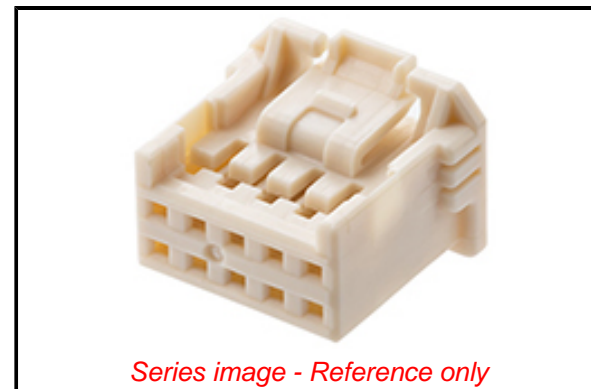
**Physical**

|                               |                |
|-------------------------------|----------------|
| Circuits (maximum)            | 18             |
| Color - Resin                 | Natural        |
| Flammability                  | 94V-0          |
| Gender                        | Receptacle     |
| Glow-Wire Capable             | No             |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Net Weight                    | 560.000/mg     |
| Number of Rows                | 2              |
| Packaging Type                | Bag            |
| Panel Mount                   | No             |
| Pitch - Mating 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, 5016460000-A01       |
| Packaging Specification   | 5016469200-200                       |
| Product Specification     | 5016460000-PS-000, PS-501646-001-001 |
| Sales Drawing             | SD-501646-001                        |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[501646](#) Series

**Mates With**

[501645](#) Vertical Header . [503091](#) Vertical Header . [501876](#) Right Angle Header

**Use With**

[501647](#) 22-26 AWG Terminal . [501648](#) 26-28 AWG Terminal