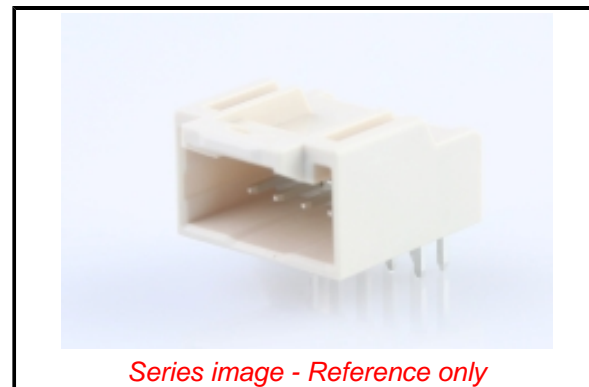


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [2086591040](#)  
**Status:** **Active**  
**Overview:** iGrid Wire-to-Board Dual-Row System  
**Description:** 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, 0.10µm Gold (Au) Plating, Positive Lock, 10 Circuits, Tray, 3.20mm PC Tail Length, Natural

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>                                      | <a href="#">Product Specification 5016461000-PS-000 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification 2086599200-SPK-200 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Datasheet (PDF)</a>                                  |
| <a href="#">Product Specification 5016460000-PS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |



Series image - Reference only

**Agency Certification**

|     |        |
|-----|--------|
| CSA | 152514 |
| UL  | E29179 |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">208659</a>                              |
| Application    | Signal, Wire-to-Board                               |
| Overview       | <a href="#">iGrid Wire-to-Board Dual-Row System</a> |
| Product Name   | iGrid   |
| Taxonomy       | PCB Headers and Receptacles                         |
| UPC            | 193264111213  |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 10             |
| Circuits (maximum)             | 10             |
| Color - Resin                  | Natural        |
| Durability (mating cycles max) | 30             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-0          |
| Glow-Wire Capable              | No             |
| Keying to Mating Part          | Yes            |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Gold           |
| Material - Resin               | Polyamide      |
| Net Weight                     | 965.000/mg     |
| Number of Rows                 | 2              |
| Orientation                    | Right Angle    |
| PC Tail Length                 | 3.20mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.20mm, 1.60mm |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 2.00mm         |
| Plating min - Mating           | 0.102µm        |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | Yes            |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not 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**

[208659](#) Series

**Mates With**

iGrid Receptacle Housing [501646](#)

Current - Maximum per Contact  
Voltage - Maximum

2.0A  
250V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

2086599200-SPK-200

Product Specification

5016460000-PS-000, 5016461000-PS-000

Sales Drawing

2086590000-SD-000

This document was generated on 09/28/2022

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