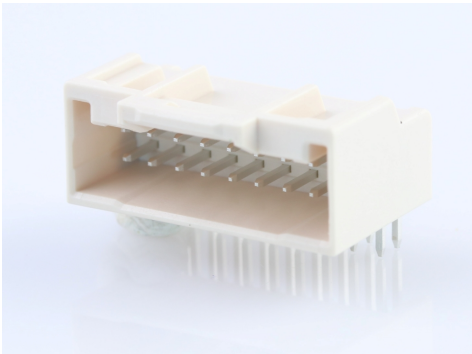




**Part Number :** [2086591840](#)  
**Product Description :** 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, 0.10µm Gold (Au) Plating, Positive Lock, 18 Circuits, Tray, 3.20mm PC Tail Length, Natural  
**Series Number :** 208659  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



Documents & Resources


**Drawings**  
[2086591840\\_sd.pdf](#)

**3D Models and Design Files**  
[2086591840.dxf](#)  
[2086591840.pdf](#)  
[2086591840\\_stp.zip](#)

**Specifications**  
[2086599200-SPK-200.pdf](#)  
[5016460000-PS-000.pdf](#)  
[5016461000-PS-000.pdf](#)

Product Environment Compliance

Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Compliant with Exemption 44; 33   |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863   |

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

|                |   |
|----------------|---|
| Status         | Active  |
| Category       | PCB Headers and Receptacles   |
| Series         | 208659  |
| Description    | 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, 0.10µm Gold (Au) Plating, Positive Lock, 18 Circuits, Tray, 3.20mm PC Tail Length, Natural |
| Application    | Signal, Wire-to-Board   |
| Component Type | PCB Header  |
| Product Name   | iGrid   |
| UPC            | 193264111459  |

### Agency

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

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 2.0A             |
| Voltage - Maximum             | 250V AC (RMS)/DC |

### Physical

|                    |         |
|--------------------|---------|
| Breakaway          | No      |
| Circuits (Loaded)  | 18      |
| Circuits (maximum) | 18      |
| Color - Resin      | Natural |

|                                |                |
|--------------------------------|----------------|
| Durability (mating cycles max) | 30             |
| First Mate / Last Break        | No             |
| 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                     | 1505.000/mg    |
| Number of Rows                 | 2              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Tray           |
| PC Tail Length                 | 3.20mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.20mm, 1.60mm |
| Pitch - Mating Interface       | 2.00mm         |
| Plating min - Mating           | 0.102µm        |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | Yes            |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Through Hole   |

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## Mates With / Use With

### Mates with Part(s)

| Description                        | Part Number   |
|------------------------------------|---------------|
| iGrid Dual Row Receptacle Housings | <u>501646</u> |