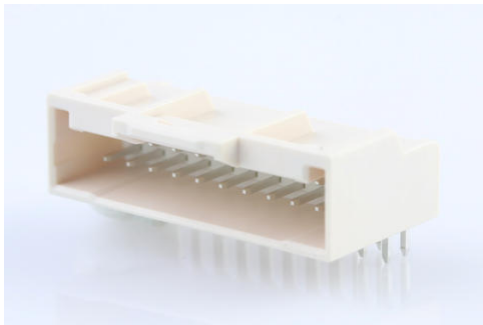




**Part Number :** [5018762240](#)  
**Product Description :** 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, Matte Tin (Sn) Plating, Positive Lock, 22 Circuits, Tray, 3.20mm PC Tail Length, Natural  
**Series Number :** 501876  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[5018762240 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[5018762240.dxf](#)

### Specifications

[5016460000-A00.pdf](#)

[5016460000-A01.pdf](#)

[SPK-501876-001-001.pdf](#)

[5016461001-PS-001.pdf](#)

[PS-501646-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                         |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Not 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

---

**Part Details**

**General**

|                |                                                                                                                                                               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                        |
| Category       | PCB Headers and Receptacles                                                                                                                                   |
| Series         | 501876                                                                                                                                                        |
| Description    | 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, Matte Tin (Sn) Plating, Positive Lock, 22 Circuits, Tray, 3.20mm PC Tail Length, Natural |
| Application    | Signal, Wire-to-Board                                                                                                                                         |
| Component Type | PCB Header                                                                                                                                                    |
| Product Name   | iGrid                                                                                                                                                         |
| UPC            | 822350171038                                                                                                                                                  |

**Agency**

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

## Electrical

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

## Physical

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 22             |
| Circuits (maximum)             | 22             |
| 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      | Matte Tin      |
| Material - Plating Termination | Matte Tin      |
| Material - Resin               | Polyamide (PA) |
| Net Weight                     | 1775.000/mg    |
| Number of Rows                 | 2              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Tray           |
| PCB Locator                    | No             |
| PCB Retention                  | No             |
| PCB Thickness - Recommended    | 1.20mm, 1.60mm |
| PC Tail Length                 | 3.20mm         |
| Pitch - Mating Interface       | 2.00mm         |
| Plating min - Termination      | 1.000µm        |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | No             |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Through Hole   |

# Mates With / Use With

## Mates with Part(s)

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

---

This document was generated on May 19, 2026