



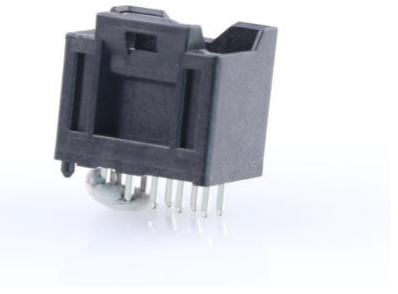
Part Number : [5030911621](#)

Product Description : 2.00mm Pitch, iGrid PCB Header, Dual Row, Vertical, Through Hole, Gold (Au) Plating, Positive Lock, 16 Circuits, Tray, 3.20mm PC Tail Length, Black, with PCB Locator

Series Number : 503091

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[5030911621 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5030911621.dxf](#)

Specifications

[5016460000-A00.pdf](#)

[5016460000-A01.pdf](#)


[5030919200-SPK-200.pdf](#)

[5016460000-PS-000.pdf](#)

[5016461000-PS-000.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| 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 | 503091 |
| Description | 2.00mm Pitch, iGrid PCB Header, Dual Row, Vertical, Through Hole, Gold (Au) Plating, Positive Lock, 16 Circuits, Tray, 3.20mm PC Tail Length, Black, with PCB Locator |
| Application | Wire-to-Board |
| Component Type | PCB Header |
| Product Name | iGrid |
| UPC | 800756915951 |

Agency

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

Electrical

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

Physical

| | |
|--------------------------------|----------------|
| Breakaway | No |
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Gender | Male |
| Glow-Wire Capable | No |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | Polyamide (PA) |
| Mounting Style | Through Hole |
| Net Weight | 750.320/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.20mm, 1.60mm |
| PC Tail Length | 3.20mm |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 2.00mm |
| Plating min - Mating | 0.100µm |
| Plating min - Termination | 0.100µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |

| | |
|-------------------------------|----------------|
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |
| Unmated Height | 12.00mm |

Mates With / Use With

Mates with Part(s)

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

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