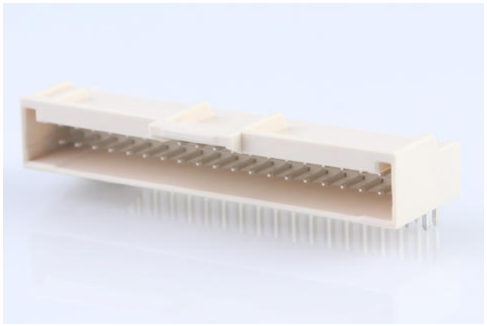
molex



**Part Number :** 5018764040
**Product Description :** 2.00mm Pitch, iGrid PCB Header, Dual Row, Right-Angle, Through Hole, Matte Tin (Sn) Plating, Positive Lock, 40 Circuits, Tray, 3.20mm PC Tail Length, Natural
**Series Number :** 501876
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents & Resources

### Drawings

5018764040_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5018764040.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)4165-DC (25 June 2025) |
| 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

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## 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, 40 Circuits, Tray, 3.20mm PC Tail Length, Natural |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | iGrid |
| UPC | 822350171083 |

### Agency

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

**Electrical**

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

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 40 |
| Circuits (maximum) | 40 |
| 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 |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | None |
| 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 |

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## Mates With / Use With

**Mates with Part(s)**

| Description | Part Number |
| --- | --- |
| iGrid Dual Row Receptacle Housings | 501646 |