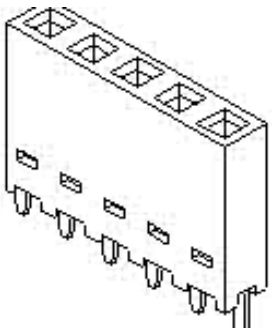
molex



**Part Number :** 901471314
**Product Description :** C-Grid III PC Board Connector, Single Row, Vertical, 14 Circuits, Gold (Au) Plating
**Series Number :** 90147
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents and Resources

### Drawings

901471314_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

713080001-AS-000.pdf

901190001-AS-000.pdf

PS-99020-0001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 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 ED/71/2019 (16 July 2019) |
| 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 | 90147 |
| Description | C-Grid III PC Board Connector, Single Row, Vertical, 14 Circuits, Gold (Au) Plating |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Name | C-Grid III |
| UPC | 800753672345 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 3.0A |
| Grounding to PCB | No |
| Voltage - Maximum | 350V |

**Physical**

| | |
|---|---|
| Circuits (Loaded) | 14 |
| Circuits (maximum) | 14 |
| Color - Resin | Black |
| Durability (mating cycles max) | 500 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 1.190/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tube |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 2.90mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 3.048µm |
| Polarized to PCB | No |
| Temperature Range - Operating | -55° to +125°C |
| Termination Interface Style | Through Hole |

**Solder Process Data**

| | |
|---|---|
| Lead-Free Process Capability | WAVE |

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## Mates With / Use With

**Mates with Part(s)**

| Description | Part Number |
|---|---|
| C-Grid III Vertical Single Row Headers | 90120 |
| C-Grid III Right-Angle Single Row Headers | 90121 |

**Use with Part(s)**

| Description | Part Number |
|---|---|
| C-Grid III Vertical Single Row Headers | 90120 |
| C-Grid III Right-Angle Single Row Headers | 90121 |