



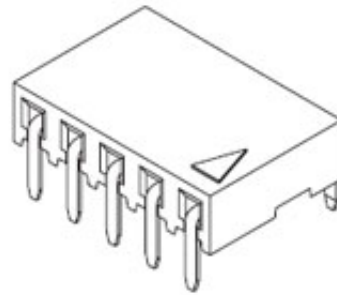
**Part Number :** [901481307](#)

**Product Description :** 2.54mm Pitch C-Grid III  
PC Board Connector, Single Row, Right-Angle,  
1.00µm Tin (Sn), 7 Circuits

**Series Number :** 90148

**Status :** Active

**Product Category :** PCB Headers and  
Receptacles



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## Documents & Resources

### Drawings

[Drawing 901481307\\_sd.pdf](#)

[Packaging Design Drawing PK-90148-0001-001.pdf](#)

### 3D Models and Design Files

[3D Model 901481307\\_stp.zip](#)

### Specifications

[Application Specification 713080001-AS-000.pdf](#)

[Application Specification 901190001-AS-000.pdf](#)

[Product Specification PS-99020-0001-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |  |
|--------------------|--|
| GADSL/IMDS         | Not Relevant                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21             |
| REACH SVHC         | Not Contained per ED/88/2018 (15 January 2019) |
| 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         | 90148  |
| Description    | 2.54mm Pitch C-Grid III PC Board Connector, Single Row, Right-Angle, 1.00µm Tin (Sn), 7 Circuits |
| Application    | Board-to-Board, Signal   |
| Component Type | PCB Receptacle   |
| Product Family | C-Grid Connector Products  |
| Product Name   | C-Grid III   |
| UPC            | 800753676893   |

#### Agency

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

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Circuits (Loaded)              | 7     |
| Circuits (maximum)             | 7     |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 500   |

|                                |                 |
|--------------------------------|-----------------|
| Flammability                   | 94V-0           |
| Glow-Wire Capable              | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | No              |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester       |
| Net Weight                     | 0.725/g         |
| Number of Rows                 | 1               |
| Orientation                    | Right Angle     |
| Packaging Type                 | Tube            |
| PC Tail Length                 | 2.90mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 1.60mm          |
| Pitch - Mating Interface       | 2.54mm          |
| Pitch - Termination Interface  | 2.54mm          |
| Plating min - Mating           | 0.762µm         |
| Plating min - Termination      | 3.048µm         |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | No              |
| Stackable                      | 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    | <u>90120</u> |
| C-Grid III Right-Angle Single Row Headers | <u>90121</u> |

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