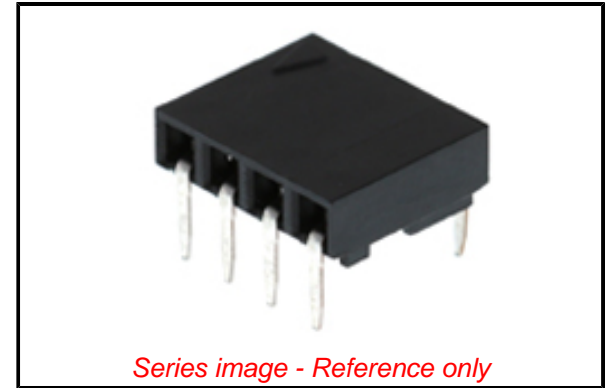


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0901481104](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid III PC Board Connector, Single Row, Right-Angle, 1.00µm Tin (Sn), 4 Circuits

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>   | <a href="#">Application Specification 901190001-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-90148-0001-001 (PDF)</a>  |
| <a href="#">Product Specification PS-99020-0001-001 (PDF)</a>    | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Application Specification 713080001-AS-000 (PDF)</a> |  |



**Agency Certification**

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

**General**

|                |   |
|----------------|---|
| Product Family | PCB Receptacles                           |
| Series         | <a href="#">90148</a>                     |
| Application    | Board-to-Board, Signal                    |
| Component Type | PCB Receptacle                            |
| Overview       | <a href="#">C-Grid Connector Products</a> |
| Product Name   | C-Grid III                                |
| Taxonomy       | PCB Headers and Receptacles               |
| UPC            | 800753533905                              |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 4               |
| Circuits (maximum)             | 4               |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 30              |
| 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      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester       |
| Net Weight                     | 0.423/g         |
| Number of Rows                 | 1               |
| Orientation                    | Right Angle     |
| PC Tail Length                 | 2.90mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Tube            |
| Pitch - Mating Interface       | 2.54mm          |
| Pitch - Termination Interface  | 2.54mm          |
| Plating min - Mating           | 1.016µm         |
| Plating min - Termination      | 1.016µm         |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | No              |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -55° to +125°C  |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[90148 Series](#)

**Mates With**

C-Grid III Vertical Header [90120](#) . C-Grid III  
Right-Angle Header [90121](#)

Termination Interface: Style Through Hole

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 003  
Lead-freeProcess Capability WAVE  
Max. Cycles at Max. Process Temperature 001  
Process Temperature max. C 235

**Material Info**

**Reference - Drawing Numbers**

Application Specification 713080001-AS-000, 901190001-AS-000  
Packaging Specification PK-90148-0001-001  
Product Specification PS-99020-0001-001  
Sales Drawing SDA-90148-001

This document was generated on 01/06/2023

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