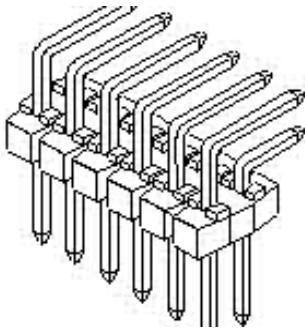




**Part Number :** [901220780](#)  
**Product Description :** 2.54mm Pitch C-Grid III  
Header, Dual Row, Right-Angle, 40 Circuits, 0.38µm  
Gold (Au) Selective Plating  
**Series Number :** 90122  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[901220780 sd.pdf](#)  
[PK-90120-100-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[901190001-AS-000.pdf](#)  
[PS-99020-0001-001.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

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## Part Details

### General

|                |                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                 |
| Category       | PCB Headers and Receptacles                                                                            |
| Series         | 90122                                                                                                  |
| Description    | 2.54mm Pitch C-Grid III Header, Dual Row, Right-Angle, 40 Circuits, 0.38µm Gold (Au) Selective Plating |
| Application    | Signal, Wire-to-Board                                                                                  |
| Component Type | PCB Header                                                                                             |
| Product Name   | C-Grid III                                                                                             |
| UPC            | 800753696020                                                                                           |

### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum             | 350V |

### Physical

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | Yes            |
| Circuits (Loaded)              | 40             |
| Circuits (maximum)             | 40             |
| Color - Resin                  | Black          |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-0          |
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | No             |
| Lock to Mating Part            | No             |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Net Weight                     | 3.320/g        |
| Number of Rows                 | 2              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Tray           |
| PCB Locator                    | No             |
| PCB Retention                  | No             |
| PC Tail Length                 | 2.90mm         |
| Pitch - Mating Interface       | 2.54mm         |
| Pitch - Termination Interface  | 2.54mm         |
| Plating min - Mating           | 0.381µm        |
| Plating min - Termination      | 3.048µm        |
| Polarized to Mating Part       | No             |
| Polarized to PCB               | No             |
| Shrouded                       | Unshrouded     |
| Stackable                      | No             |
| Temperature Range - Operating  | -55° to +125°C |
| Termination Interface Style    | Through Hole   |

## Solder Process Data

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

# Mates With / Use With

## Mates with Part(s)

| Description                                         | Part Number  |
|-----------------------------------------------------|--------------|
| C-Grid III Vertical Dual Row PC Board Connectors    | <u>90151</u> |
| C-Grid III Right-Angle Dual Row PC Board Connectors | <u>90152</u> |
| C-Grid III Dual Row Crimp Housings                  | <u>90142</u> |
| C-Grid III Modular Dual Row Crimp Housings          | <u>90143</u> |

This document was generated on May 19, 2026