



**Part Number :** [901210160](#)

**Product Description :** 2.54mm Pitch C-Grid III Header, Single Row, Right-Angle, 40 Circuits, Tin (Sn) Plating

**Series Number :** 90121

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[901210160 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](#)

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## 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 D(2025)6375-DC (05 Nov 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         | 90121  |
| Description    | 2.54mm Pitch C-Grid III Header, Single Row, Right-Angle, 40 Circuits, Tin (Sn) Plating |
| Application    | Signal, Wire-to-Board  |
| Component Type | PCB Header   |
| Product Name   | C-Grid III   |
| UPC            | 800753711617   |

### 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          | None           |
| Lock to Mating Part            | None           |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Tin            |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Net Weight                     | 3.000/g        |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Tray           |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| PC Tail Length                 | 2.90mm         |
| Pitch - Mating Interface       | 2.54mm         |
| Pitch - Termination Interface  | 2.54mm         |
| Plating min - Mating           | 4.064µm        |
| Plating min - Termination      | 3.048µm        |
| Polarized to Mating Part       | No             |
| Polarized to PCB               | No             |
| Shrouded                       | No             |
| Stackable                      | No             |
| Temperature Range - Operating  | -55° to +125°C |
| Termination Interface Style    | Through Hole   |

### Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |

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|          |     |
|----------|-----|
| Max-Temp | 260 |
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## Mates With / Use With

### Mates with Part(s)

| Description   | Part Number  |
|---|--------------|
| C-Grid III Vertical Single Row PC Board Connectors    | <u>90147</u> |
| C-Grid III Right-Angle Single Row PC Board Connectors | <u>90148</u> |
| C-Grid III Modular Single Row Crimp Housings          | <u>90123</u> |

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