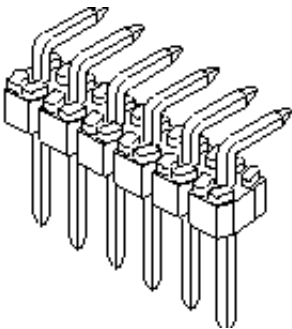




**Part Number :** [901210775](#)  
**Product Description :** 2.54mm Pitch C-Grid III Header, Single Row, Right-Angle, 15 Circuits, 0.38µm Gold (Au) Selective Plating  
**Series Number :** 90121  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[901210775\\_sd.pdf](#)  
[PK-90120-100-001.pdf](#)

**3D Models and Design Files**  
[901210775\\_stp.zip](#)

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

## 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 D(2024)6225-DC (07 Nov 2024)                                        |
| 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         | 90121                                                                                                    |
| Description    | 2.54mm Pitch C-Grid III Header, Single Row, Right-Angle, 15 Circuits, 0.38µm Gold (Au) Selective Plating |
| Application    | Signal, Wire-to-Board                                                                                    |
| Component Type | PCB Header                                                                                               |
| Product Name   | C-Grid III                                                                                               |
| UPC            | 800753704558                                                                                             |

#### Agency

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

#### Electrical

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

#### Physical

|                         |       |
|-------------------------|-------|
| Breakaway               | Yes   |
| Circuits (Loaded)       | 15    |
| Circuits (maximum)      | 15    |
| 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      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Net Weight                     | 1.125/g        |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Tray           |
| PC Tail Length                 | 2.90mm         |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| 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                       | 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    |
| 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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