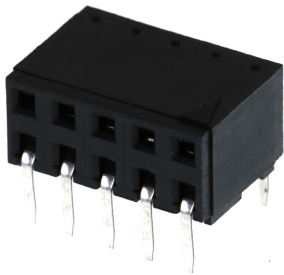




**Part Number :** [901522110](#)  
**Product Description :** 2.54mm Pitch C-Grid III  
PC Board Connector, Dual Row, Right-Angle,  
Straight PCB Pins 1.00µm Tin (Sn), 10 Circuits  
**Series Number :** 90152  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



## Documents & Resources

**Drawings**  
[Drawing 901522110\\_sd.pdf](#)  
[Packaging Design Drawing PK-90152-001-001.pdf](#)

**3D Models and Design Files**  
[3D Model 901522110\\_stp.zip](#)

**Specifications**  
[Application Specification 901190001-AS-000.pdf](#)  
[Product Specification 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(2023)3788-DC (14 Jun 2023)                                        |
| 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         | 90152                                                                                                             |
| Description    | 2.54mm Pitch C-Grid III PC Board Connector, Dual Row, Right-Angle, Straight PCB Pins 1.00µm Tin (Sn), 10 Circuits |
| Application    | Board-to-Board, Signal                                                                                            |
| Component Type | PCB Receptacle                                                                                                    |
| Product Family | C-Grid Connector Products                                                                                         |
| Product Name   | C-Grid III                                                                                                        |
| UPC            | 800753675001                                                                                                      |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
|-----|---------|

#### Electrical

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

#### Physical

|                      |       |
|----------------------|-------|
| Circuits (Loaded)    | 10    |
| Circuits (maximum)   | 10    |
| Color - Resin        | Black |
| 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                     | 1.102/g         |
| Number of Rows                 | 2               |
| 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           | 1.016µm         |
| Plating min - Termination      | 1.016µm         |
| Polarized to PCB               | 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                     | 230  |

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#### Mates With / Use With

##### Mates with Part(s)

| Description                                | Part Number  |
|--------------------------------------------|--------------|
| Picoflex PF-50 Low Profile IDT Receptacles | <u>90327</u> |

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This document was generated on Sep 26, 2023