



**Part Number :** [901301250](#)

**Product Description :** C-Grid III PCB Header,  
2.54mm Pitch, Through Hole, Dual Row, Vertical,  
Shrouded, 2.90mm Tail Length, 50 Circuits, 0.38µm  
Gold (Au) Plating

**Series Number :** 90130

**Status :** Active

**Product Category :** PCB Headers and Receptacles

---

## Documents and Resources

### Drawings

[901301250 sd.pdf](#)

[PK-91814-005-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[901190001-AS-000.pdf](#)

[PK-90130-001-001.pdf](#)

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

---

## 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)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

## Part Details

### General

|                |                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                     |
| Category       | PCB Headers and Receptacles                                                                                                                |
| Series         | 90130                                                                                                                                      |
| Description    | C-Grid III PCB Header, 2.54mm Pitch, Through Hole, Dual Row, Vertical, Shrouded, 2.90mm Tail Length, 50 Circuits, 0.38µm Gold (Au) Plating |
| Application    | Wire-to-Board                                                                                                                              |
| Component Type | PCB Header                                                                                                                                 |
| Product Name   | C-Grid III                                                                                                                                 |
| UPC            | 800753697959                                                                                                                               |

### Agency

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

### Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 3.0A       |
| Voltage - Maximum             | 350V AC/DC |

## Physical

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 50             |
| Circuits (maximum)             | 50             |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 200            |
| First Mate / Last Break        | No             |
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | No             |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Net Weight                     | 4.797/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| Packaging Type                 | Tray           |
| PCB Locator                    | No             |
| PCB Retention                  | No             |
| PCB Thickness - Recommended    | 1.60mm         |
| PC Tail Length                 | 2.90mm         |
| Pitch - Mating Interface       | 2.54mm         |
| Pitch - Termination Interface  | 2.54mm         |
| Plating min - Mating           | 0.380µm        |
| Plating min - Termination      | 3.000µm        |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | No             |
| Shrouded                       | Shrouded       |
| Stackable                      | No             |
| Temperature Range - Operating  | -55° to +125°C |

|                             |              |
|-----------------------------|--------------|
| Termination Interface Style | Through Hole |
|-----------------------------|--------------|

**Solder Process Data**

|                              |      |
|------------------------------|------|
| Max-Duration                 | 3    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 235  |

---

**Mates With / Use With**

**Mates with Part(s)**

| Description                                | Part Number  |
|--------------------------------------------|--------------|
| C-Grid III Dual Row Crimp Housings         | <u>90142</u> |
| C-Grid III Modular Dual Row Crimp Housings | <u>90143</u> |