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**Part Number:** [0901310783](#)  
**Status:** **Active**  
**Overview:** [C-Grid III Interconnects](#)  
**Description:** 2.54mm Pitch C-Grid III Header, Dual Row, Vertical, 46 Circuits, 0.38µm Gold (Au) Selective Plating

**Documents:**

|                                                               |                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification 901190001-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Packaging Specification PK-90131-0001-000 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-99020-0001-001 (PDF)</a> |                                                                  |

**Agency Certification**

CSA LR19980

**General**

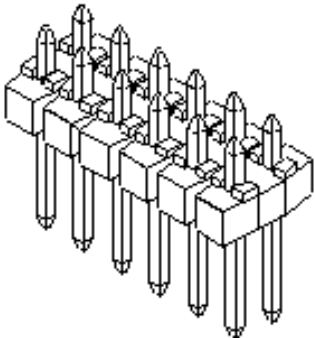
|                |                                          |
|----------------|------------------------------------------|
| Product Family | PCB Headers                              |
| Series         | <a href="#">90131</a>                    |
| Application    | Signal, Wire-to-Board                    |
| Overview       | <a href="#">C-Grid III Interconnects</a> |
| Product Name   | C-Grid III                               |
| Taxonomy       | PCB Headers and Receptacles              |
| UPC            | 800753695610                             |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | Yes            |
| Circuits (Loaded)              | 46             |
| Circuits (maximum)             | 46             |
| Color - Resin                  | Black          |
| First Mate / Last Break        | No             |
| 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                     | 3.295/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| PC Tail Length                 | 2.90mm         |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 2.54mm         |
| Pitch - Termination Interface  | 2.54mm         |
| Polarized to Mating Part       | No             |
| Polarized to PCB               | No             |
| Shrouded                       | No             |
| Stackable                      | Yes            |
| Temperature Range - Operating  | -55° to +125°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[90131](#) Series

**Mates With**

C-Grid III Vertical PCB Receptacle [90151](#)  
. C-Grid III Right-Angle PCB Receptacle  
[90152](#) . C-Grid III Crimp Housing [90142](#) . C-  
Grid III Modular Crimp Housing [90143](#)

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 003  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

**Material Info**

**Reference - Drawing Numbers**

|                           |                   |
|---------------------------|-------------------|
| Application Specification | 901190001-AS-000  |
| Packaging Specification   | PK-90131-0001-000 |
| Product Specification     | PS-99020-0001-001 |
| Sales Drawing             | SD-90131-001-001  |

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