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**Part Number:** [0901303210](#)  
**Status:** **Active**  
**Overview:** [C-Grid III™](#)  
**Description:** 2.54mm (.100") Pitch C-Grid III™ Header, Dual Row, Right Angle, Shrouded, Fully Loaded, 10 Circuits, Black 0.38µm (15µ") Gold (Au) Selective Plating

**Documents:**

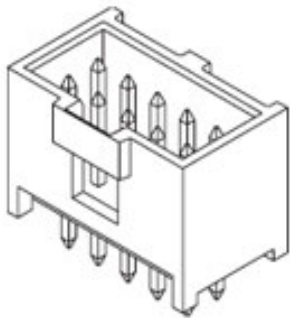
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**General**

|                |                             |
|----------------|-----------------------------|
| Product Family | PCB Headers                 |
| Series         | <a href="#">90130</a>       |
| Application    | Wire-to-Board               |
| Overview       | <a href="#">C-Grid III™</a> |
| Product Name   | C-Grid III™                 |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 10              |
| Circuits (maximum)             | 10              |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 100             |
| First Mate / Last Break        | No              |
| Glow-Wire Compliant            | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Brass           |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester       |
| Number of Rows                 | 2               |
| Orientation                    | Right Angle     |
| PC Tail Length (in)            | 0.114 In        |
| PC Tail Length (mm)            | 2.90 mm         |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness Recommended (in) | 0.063 In        |
| PCB Thickness Recommended (mm) | 1.60 mm         |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface (in)  | 0.100 In        |
| Pitch - Mating Interface (mm)  | 2.54 mm         |
| Pitch - Term. Interface (in)   | 0.100 In        |
| Pitch - Term. Interface (mm)   | 2.54 mm         |
| Plating min: Mating (µin)      | 15.2            |
| Plating min: Mating (µm)       | 0.38            |
| Plating min: Termination (µin) | 120             |
| Plating min: Termination (µm)  | 3               |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | No              |
| Shrouded                       | Closed Ends     |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -55°C to +125°C |
| Termination Interface: Style   | Through Hole    |



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**

**China RoHS**



**Not Reviewed**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**  
[90130Series](#)

**Mates With**  
[90142 C-Grid III™ Crimp Housing](#)

**Electrical**

|                   |            |
|-------------------|------------|
| Current - Maximum | 3A         |
| Voltage - Maximum | 350V AC/DC |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|               |           |
|---------------|-----------|
| Sales Drawing | SDA-90130 |
|---------------|-----------|

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