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**Part Number:** [0901303316](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_iii](#)  
**Description:** 2.54mm (.100") Pitch C-Grid III™ Header, Dual Row, Right Angle, Shrouded, Fully Loaded, 16 Circuits, Black 0.76µm (30µ") Gold (Au) Selective Plating

**Documents:**

[3D Model](#) [Product Specification PS-99020-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

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

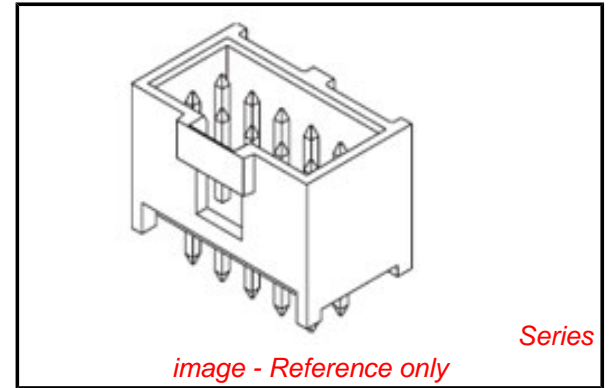
**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 16              |
| Circuits (maximum)             | 16              |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 200             |
| 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                 | 2.90mm (.114")  |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 1.60mm (.063")  |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 2.54mm (.100")  |
| Pitch - Termination Interface  | 2.54mm (.100")  |
| Plating min - Mating           | 0.762µm (30µ")  |
| Plating min - Termination      | 3.048µm (120µ") |
| 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    |

**Electrical**

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

**Solder Process Data**



**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Low-Halogen Status  
Not Low-Halogen**

**China RoHS**



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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](#)

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 3                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

### **Material Info**

### **Reference - Drawing Numbers**

|                       |               |
|-----------------------|---------------|
| Product Specification | PS-99020-0001 |
| Sales Drawing         | SDA-90130     |

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