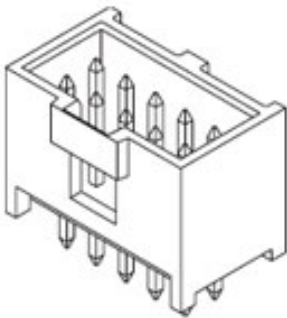


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**Part Number:** [0901301432](#)  
**Status:** **Active**  
**Overview:** [C-Grid III™](#)  
**Description:** C-Grid III Header, Dual Row, Vertical, Shrouded, Fully Loaded, 32 Circuits, Black, Flash Gold (Au) Selective Plating

**Documents:**  
[Drawing \(PDF\)](#) [Packaging Specification PK-91814-005 \(PDF\)](#)  
[Product Specification PS-99020-0001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

|                                |                             |
|--------------------------------|-----------------------------|
| <b>Agency Certification</b>    |                             |
| UL                             | E29179                      |
| <b>General</b>                 |                             |
| Product Family                 | PCB Headers                 |
| Series                         | <a href="#">90130</a>       |
| Application                    | Signal, Wire-to-Board       |
| Overview                       | <a href="#">C-Grid III™</a> |
| Product Name                   | C-Grid III                  |
| UPC                            | 887191266459                |
| <b>Physical</b>                |                             |
| Breakaway                      | No                          |
| Circuits (Loaded)              | 32                          |
| Circuits (maximum)             | 32                          |
| Color - Resin                  | Black                       |
| Durability (mating cycles max) | 200                         |
| First Mate / Last Break        | No                          |
| Flammability                   | 94V-0                       |
| 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                   |
| Net Weight                     | 3.440/g                     |
| Number of Rows                 | 2                           |
| Orientation                    | Vertical                    |
| PC Tail Length                 | 2.90mm                      |
| PCB Locator                    | No                          |
| PCB Retention                  | None                        |
| PCB Thickness - Recommended    | 1.60mm                      |
| Packaging Type                 | Tray                        |
| Pitch - Mating Interface       | 2.54mm                      |
| Pitch - Termination Interface  | 2.54mm                      |
| Plating min - Termination      | 3.048µm                     |
| Polarized to Mating Part       | Yes                         |
| Polarized to PCB               | No                          |
| Shrouded                       | Closed Ends                 |
| Surface Mount Compatible (SMC) | No                          |
| Temperature Range - Operating  | -55°C to +125°C             |
| Termination Interface: Style   | Through Hole                |
| <b>Electrical</b>              |                             |
| Current - Maximum per Contact  | 3.0A                        |



Series image - Reference only

**EU ELV**  
**Not Relevant**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/30/2017 (7 July<br>2017)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Not Low-Halogen</b><br><b>Need more information on product<br/>environmental compliance?</b><br><br>Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a><br>Please visit the <a href="#">Contact Us</a> section for any<br>non-product compliance questions. | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Green Image<br>Not Relevant<br>Not Contained                                                  |

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

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

|                                                |                   |
|------------------------------------------------|-------------------|
| Voltage - Maximum                              | 350V AC/DC        |
| <b>Solder Process Data</b>                     |                   |
| Duration at Max. Process Temperature (seconds) | 003               |
| Lead-freeProcess Capability                    | WAVE              |
| Max. Cycles at Max. Process Temperature        | 001               |
| Process Temperature max. C                     | 235               |
| <b>Material Info</b>                           |                   |
| <b>Reference - Drawing Numbers</b>             |                   |
| Packaging Specification                        | PK-91814-005      |
| Product Specification                          | PS-99020-0001-001 |
| Sales Drawing                                  | SDA-90130         |

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