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**Part Number:** [0918143132](#)  
**Status:** **Active**  
**Overview:** [C-Grid III Interconnects](#)  
**Description:** 2.54mm Pitch C-Grid III Dual Row Right-Angle Shrouded Header, 32 Circuits, Tin (Sn) over Nickel (Ni)

**Documents:**

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-99020-0001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-91814-005 (PDF)</a>    |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

**Agency Certification**

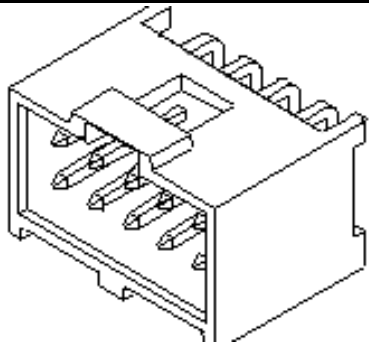
|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**General**

|                |                                          |
|----------------|------------------------------------------|
| Product Family | PCB Headers                              |
| Series         | <a href="#">91814</a>                    |
| Application    | Signal, Wire-to-Board                    |
| Overview       | <a href="#">C-Grid III Interconnects</a> |
| Product Name   | C-Grid III                               |
| UPC            | 822350913768                             |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 32                             |
| Circuits (maximum)             | 32                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| 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      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 4.383/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 2.10mm                         |
| 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 - Mating           | 3.048µm                        |
| Plating min - Termination      | 3.048µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | No                             |
| Shrouded                       | Closed Ends                    |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -55° to +125°C                 |
| Termination Interface: Style   | Through Hole                   |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[91814](#) Series

**Mates With**

[90142](#) C-Grid III Crimp Housing, [90119](#) C-Grid III Crimp Terminal

**Electrical**

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

**Solder Process Data**

|                                                |        |
|------------------------------------------------|--------|
| Duration at Max. Process Temperature (seconds) | 005    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info**

**Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | PK-91814-005      |
| Product Specification   | PS-99020-0001-001 |
| Sales Drawing           | SD-91814-001-001  |

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