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Part Number:

0901200130

Status:

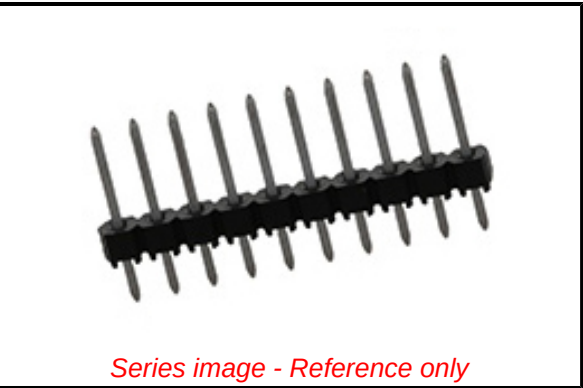
Active

Overview:

C-Grid III Interconnects

Description:

2.54mm Pitch C-Grid III Header, Single Row, Vertical, 10 Circuits, Tin (Sn) Plating



|                                                               |                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                    |                                                                  |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Application Specification 901190001-AS-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">Packaging Specification PK-90120-100-001 (PDF)</a>   |
| <a href="#">3D Model</a>                                      | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-99020-0001-001 (PDF)</a> |                                                                  |

|                                |                             |
|--------------------------------|-----------------------------|
| Agency Certification           |                             |
| CSA                            | LR19980                     |
| UL                             | E29179                      |
| General                        |                             |
| Product Family                 | PCB Headers                 |
| Series                         | 90120                       |
| Application                    | Signal, Wire-to-Board       |
| Overview                       | C-Grid III Interconnects    |
| Product Name                   | C-Grid III                  |
| Taxonomy                       | PCB Headers and Receptacles |
| UPC                            | 800753720503                |
| Physical                       |                             |
| Breakaway                      | Yes                         |
| Circuits (Loaded)              | 10                          |
| Circuits (maximum)             | 10                          |
| 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               | Polyester                   |
| Net Weight                     | 0.611/g                     |
| Number of Rows                 | 1                           |
| 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                      |
| Polarized to Mating Part       | No                          |
| Polarized to PCB               | No                          |
| Shrouded                       | No                          |
| Stackable                      | No                          |
| Surface Mount Compatible (SMC) | No                          |
| Temperature Range - Operating  | -55° to +125°C              |
| Termination Interface: Style   | Through Hole                |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China 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 <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

90120 Series

Mates With

C-Grid III Vertical PCB Receptacle [90147](#) . C-Grid III Right-Angle PCB Receptacle [90148](#) . C-Grid III Modular Crimp Housing [90123](#)

**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                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 260  |

**Material Info**

**Reference - Drawing Numbers**

|                           |                   |
|---------------------------|-------------------|
| Application Specification | 901190001-AS-000  |
| Packaging Specification   | PK-90120-100-001  |
| Product Specification     | PS-99020-0001-001 |
| Sales Drawing             | SD-90120-001-001  |

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