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**Part Number:** [0901512220](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** C-Grid III PC Board Connector, Dual Row, Vertical, 20 Circuits, Gold (Au) Plating

|                                                               |                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------|
| <b>Documents:</b>                                             |                                                                  |
| <a href="#">3D Model</a>                                      | <a href="#">Application Specification 713080001-AS-000 (PDF)</a> |
| <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-90151-001-001 (PDF)</a>   |
| <a href="#">Product Specification PS-99020-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

UL E29179

**General**

|                |                                           |
|----------------|-------------------------------------------|
| Product Family | PCB Receptacles                           |
| Series         | <a href="#">90151</a>                     |
| Application    | Board-to-Board, Signal                    |
| Overview       | <a href="#">C-Grid Connector Products</a> |
| Product Name   | C-Grid                                    |
| UPC            | 800753758230                              |

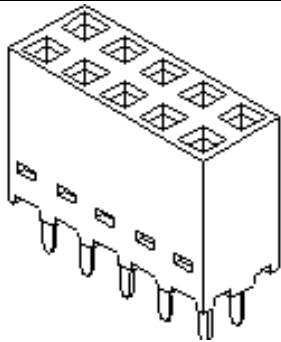
**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 20              |
| Circuits (maximum)             | 20              |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 100             |
| Flammability                   | 94HB            |
| Glow-Wire Capable              | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | No              |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester       |
| Net Weight                     | 1.709/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                 | Tube            |
| Pitch - Mating Interface       | 2.54mm          |
| Pitch - Termination Interface  | 2.54mm          |
| Plating min - Mating           | 0.381µm         |
| Plating min - Termination      | 3.048µm         |
| Polarized to PCB               | No              |
| Temperature Range - Operating  | -55° to +125°C  |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
| Grounding to PCB              | No   |
| Voltage - Maximum             | 350V |

**Solder Process Data**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**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**

[90151](#) Series

**Mates With**

0.64mm square pins

Lead-free

Process Capability

WAVE

**Material Info**

**Reference - Drawing Numbers**

Application Specification

713080001-AS-000, 901190001-AS-000

Packaging Specification

PK-90151-001-001

Product Specification

PS-99020-0001-001

Sales Drawing

SDA-90151-001

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