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**Part Number:** [90151-2208](#)  
**Status:** **Active**  
**Overview:** [C-Grid® Products](#)  
**Description:** C-Grid III™ PC Board Connector, Dual Row, Vertical, 8 Circuits, Gold (Au) Plating

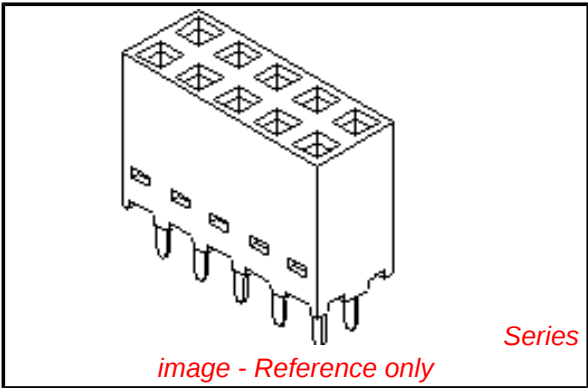
**Documents:**  
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**  
UL E29179

**General**  
Product Family PCB Receptacles  
Series [90151](#)  
Application Board-to-Board, Signal  
Overview [C-Grid® Products](#)  
Product Name C-Grid®  
UPC 800753670129

**Physical**  
Circuits (Loaded) 8  
Circuits (maximum) 8  
Color - Resin Black  
Durability (mating cycles max) 100  
Flammability 94HB  
Glow-Wire Compliant 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 0.679/g  
Number of Rows 2  
Orientation Vertical  
PC Tail Length 2.90mm  
PCB Locator No  
PCB Retention None  
PCB Thickness - Recommended 0.80mm, 1.70mm  
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  
Stackable Yes  
Surface Mount Compatible (SMC) No  
Temperature Range - Operating -55°C to +125°C  
Termination Interface: Style Through Hole

**Electrical**  
Current - Maximum per Contact 3A  
Grounding to PCB No  
Voltage - Maximum 350V



**EU RoHS**  
**ELV and RoHS Compliant**  
**REACH SVHC**  
Not Reviewed  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

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**  
[90151Series](#)

**Mates With**  
0.64mm square pins

**Solder Process Data**

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SD-90151-001, SDA-90151

This document was generated on 08/12/2014

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