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**Part Number:** [90151-2144](#)  
**Status:** **Active**  
**Overview:** [C-Grid® Products](#)  
**Description:** C-Grid III™ PC Board Connector, Dual Row, Vertical, 44 Circuits, Tin (Sn) Plating

**Documents:**

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

**General**

Product Family	PCB Receptacles
Series	<a href="#">90151</a>
Application	Board-to-Board, Signal
Overview	<a href="#">C-Grid® Products</a>
Product Name	C-Grid®
UPC	800753671010

**Physical**

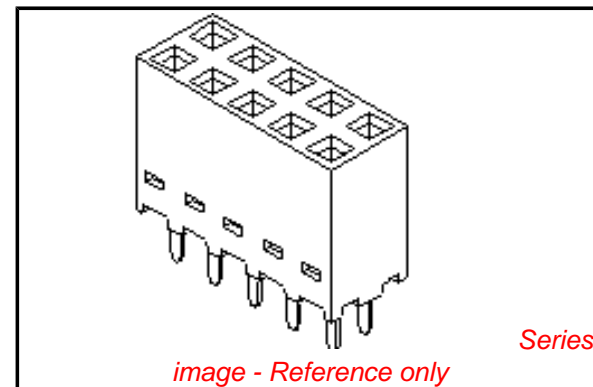
Circuits (Loaded)	44
Circuits (maximum)	44
Color - Resin	Black
Durability (mating cycles max)	500
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	3.801/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	2.60mm
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	1.016µm
Plating min - Termination	1.016µm
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	3.0A
Grounding to PCB	No
Voltage - Maximum	350V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	2
Lead-free Process Capability	Wave Capable (TH only)



*image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



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environmental compliance?**

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 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

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	210

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-90151-001, SDA-90151
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This document was generated on 05/14/2015

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