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**Part Number:** [90120-0800](#)  
**Status:** **Active**  
**Overview:** C-Grid III™  
**Description:** 2.54mm Pitch C-Grid III™ Header, Single Row, Vertical, 40 Circuits, 0.38µm Gold (Au) Selective Plating

**Documents:**

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

**Agency Certification**

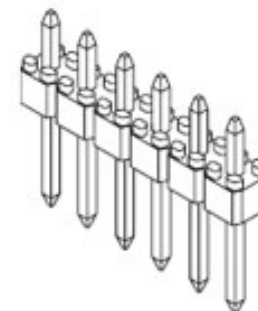
CSA LR19980

**General**

Product Family PCB Headers  
 Series [90120](#)  
 Application Signal, Wire-to-Board  
 Overview [C-Grid III™](#)  
 Product Name C-Grid III™  
 UPC 800753714793

**Physical**

Breakaway Yes  
 Circuits (Loaded) 40  
 Circuits (maximum) 40  
 Color - Resin Black  
 Durability (mating cycles max) 200  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part None  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Plating Termination Nickel  
 Material - Resin Polyester  
 Net Weight 2.300/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  
 Plating min - Mating 0.381µm  
 Polarized to Mating Part No  
 Polarized to PCB No  
 Shrouded No  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -55°C to +125°C  
 Termination Interface: Style Through Hole



Series

image - Reference only

**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**

[90120Series](#)

**Mates With**

[90147 C-Grid® PC Board Connector](#), [90123 C-Grid III™ Modular Crimp Housing](#)

**Electrical**

Current - Maximum per Contact	3A
Voltage - Maximum	350V AC/DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

**Material Info****Reference - Drawing Numbers**

Sales Drawing	SD-90120-001
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This document was generated on 08/11/2014

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