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**Part Number:** [0901200160](#)  
**Status:** **Active**  
**Overview:** [C-Grid III Interconnects](#)  
**Description:** 2.54mm Pitch C-Grid III Header, Single Row, Vertical, 40 Circuits, Tin (Sn) Plating

**Documents:**

[3D Model](#) [Packaging Specification PK-90120-100-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0001-001 \(PDF\)](#)

**Agency Certification**

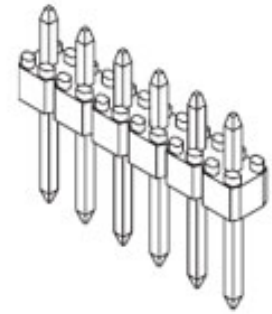
CSA LR19980

**General**

Product Family PCB Headers  
Series [90120](#)  
3D Viewer Yes  
Application Signal, Wire-to-Board  
CURRENT-MAX-NUMERIC 3.0  
Overview [C-Grid III Interconnects](#)  
PITCH-MATING-NUMERIC 2.54  
Product Name C-Grid III  
UPC 800753720114

**Physical**

Breakaway Yes  
Circuits (Loaded) 40  
Circuits (maximum) 40  
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 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  
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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[90120 Series](#)

**Mates With**

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

**Electrical**

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 3.0A       |
| Voltage - Maximum             | 350V AC/DC |

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 003  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

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

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | PK-90120-100-001  |
| Product Specification   | PS-99020-0001-001 |
| Sales Drawing           | SD-90120-001-001  |

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