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Part Number: [90120-0160](#)
Status: **Active**
Overview: [C-Grid III™](#)
Description: 2.54mm Pitch C-Grid III™ Header, Single Row, Vertical, 40 Circuits, Tin (Sn) Plating

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

Agency Certification

CSA LR19980

General

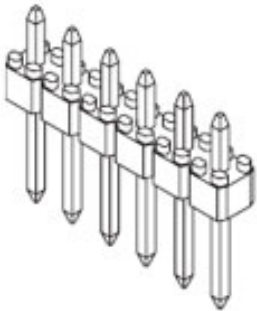
Product Family PCB Headers
Series [90120](#)
Application Signal, Wire-to-Board
Overview [C-Grid III™](#)
Product Name C-Grid III™
UPC 800753720114

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 Compliant 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°C to +125°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 3A



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
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

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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