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Part Number: [90130-3216](#)
Status: **Active**
Overview: C-Grid III™
Description: C-Grid III™ Header, Dual Row, Right Angle, Shrouded, Fully Loaded, 16 Circuits, Black 0.38µm Gold (Au) Selective Plating

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [90130](#)
 Application Signal, Wire-to-Board
 Overview [C-Grid III™](#)
 Product Name C-Grid III™
 UPC 800753704626

Physical

Breakaway No
 Circuits (Loaded) 16
 Circuits (maximum) 16
 Color - Resin Black
 Durability (mating cycles max) 100
 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 Yes
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Polyester
 Net Weight 2.195/g
 Number of Rows 2
 Orientation Right Angle
 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
 Plating min - Termination 3.048µm
 Polarized to Mating Part Yes
 Polarized to PCB No
 Shrouded Closed Ends
 Stackable No
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating -55°C to +125°C

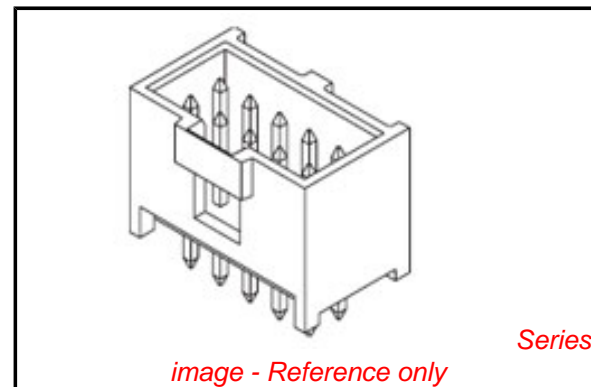


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EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
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

[90130Series](#)

Mates With

[90142 C-Grid III™ Crimp Housing](#)

Termination Interface: Style Through Hole

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

Product Specification PS-99020-0001
Sales Drawing SDA-90130

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