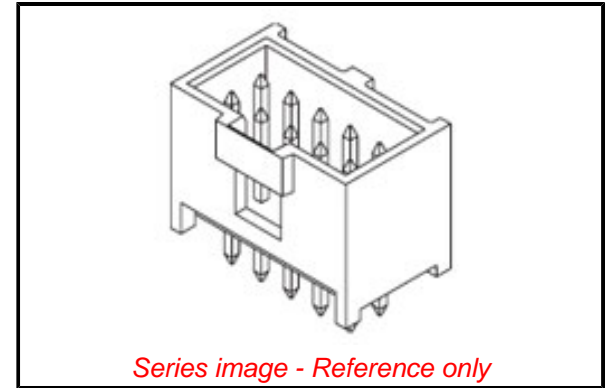


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0901301318**  
**Status:** **Active**  
**Overview:**  
**Description:** C-Grid III Header, Dual Row, Vertical, Shrouded, Fully Loaded, 18 Circuits, Black, 0.76µm Gold (Au) Selective Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 901190001-AS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-90130-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-91814-005-001 (PDF)</a>
<a href="#">Product Specification PS-99020-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">90130</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">cgrid_iii</a>
Product Name	C-Grid III
UPC	800753696945

**Physical**

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	200
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	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	2.069/g
Number of Rows	2
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	0.762µm
Plating min - Termination	3.048µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Closed Ends
Stackable	No
Surface Mount Compatible (SMC)	No

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

[90130](#) Series

**Mates With**

[90142](#) C-Grid III Crimp Housing

Temperature Range - Operating -55° to +125°C  
Termination Interface: Style Through Hole

**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**

Application Specification 901190001-AS-000  
Packaging Specification PK-90130-001-001, PK-91814-005-001  
Product Specification PS-99020-0001-001  
Sales Drawing SDA-90130-001

This document was generated on 09/02/2021

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