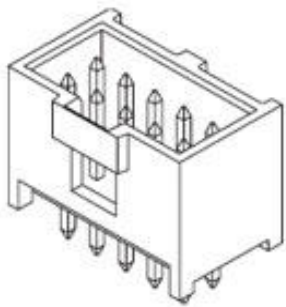




**Part Number :** [901301316](#)  
**Product Description :** C-Grid III Header, Dual Row,  
Vertical, Shrouded, Fully Loaded, 16 Circuits, Black,  
0.76µm Gold (Au) Selective Plating  
**Series Number :** 90130  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[901301316 sd.pdf](#)  
[PK-91814-005-001.pdf](#)

### 3D Models and Design Files


[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[901190001-AS-000.pdf](#)  
[PK-90130-001-001.pdf](#)  
[PS-99020-0001-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)

EU RoHS	Compliant per EU 2015/863
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#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	90130
Description	C-Grid III Header, Dual Row, Vertical, Shrouded, Fully Loaded, 16 Circuits, Black, 0.76µm Gold (Au) Selective Plating
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	C-Grid III
UPC	800753696877

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	1.895/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.90mm
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
Temperature Range - Operating	-55° to +125°C

Termination Interface Style	Through Hole
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**Solder Process Data**

Max-Duration	3
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

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**Mates With / Use With**

**Mates with Part(s)**

Description	Part Number
C-Grid III Dual Row Crimp Housings	<u>90142</u>
C-Grid III Modular Dual Row Crimp Housings	<u>90143</u>