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**Part Number:** [90136-1431](#)  
**Status:** **Active**  
**Overview:** C-Grid III™  
**Description:** C-Grid III™ Header, Single Row, Vertical, Shrouded, 31 Circuits, Flash 0.10µm Gold (Au) Selective Plating

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">90136</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">C-Grid III™</a>
Product Name	C-Grid III™
UPC	887191267036

**Physical**

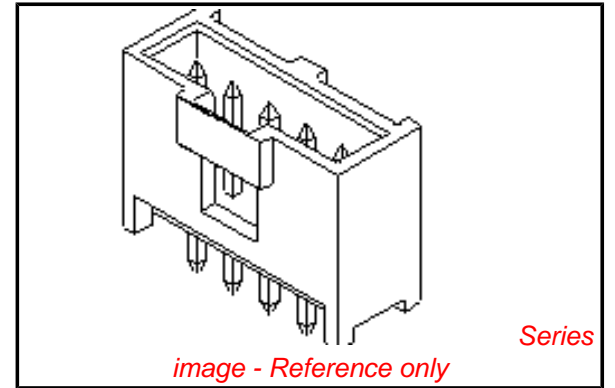
Breakaway	No
Circuits (Loaded)	21
Circuits (maximum)	21
Color - Resin	Black
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	4.273/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
Plating min - Termination	3.048µm
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55°C to +125°C
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



*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](mailto: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**

[90136Series](#)

**Mates With**

[90123 C-Grid III™ Modular Crimp Housing](#),  
[90156 C-Grid III™ Crimp Housing](#)

Process Temperature max. C

235

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing

SDA-90136

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