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Part Number: [0879142016](#)
Status: **Active**
Overview: C-Grid® Products
Description: 2.54mm Pitch C-Grid® Header, Through Hole, Dual Row, Vertical, 20 Circuits, 2.50µm Tin (Sn) Overall Plating, Tray Packaging, Lead-Free

Documents:

[3D Model](#) [Packaging Specification PK-89990-489 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87920-019-001 \(PDF\)](#)

Agency Certification

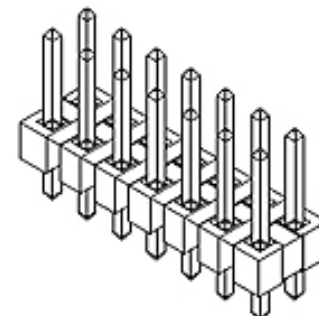
UL E29179

General

Product Family PCB Headers
 Series 87914
 Application Board-to-Board, Signal, Wire-to-Board
 Overview [C-Grid® Products](#)
 Product Name C-Grid®
 UPC 822348867783

Physical

Breakaway Yes
 Circuits (Loaded) 20
 Circuits (maximum) 20
 Color - Resin Black
 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
 Mated Height 5.84mm
 Material - Metal Copper Alloy
 Material - Plating Mating Tin
 Material - Plating Termination Nickel
 Material - Resin High Temperature Thermoplastic
 Net Weight 1.120g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 2.79mm
 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 2.540µm
 Plating min - Termination 1.270µm
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded No
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -55°C to +105°C
 Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87914 Series](#)

Mates With

[7859 Shunts](#), [71850 C-Grid® PCB Receptacles](#), [70450 SL™ IDT Housing](#)

Electrical

Current - Maximum per Contact	3.0A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	012
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-89990-489
Product Specification	PS-87920-019-001
Sales Drawing	SD-87914-013-000

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