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Part Number: [0879142016](#)
Status: **Active**
Overview: [C-Grid Connector 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](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87920-019-001 \(PDF\)](#)
[Packaging Specification PK-89990-489-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

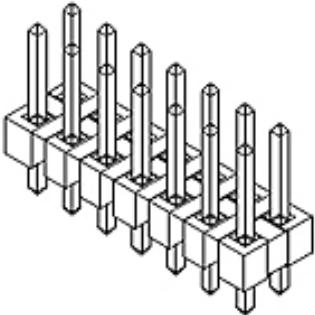
UL E29179

General

Product Family PCB Headers
Series [87914](#)
Application Board-to-Board, Signal, Wire-to-Board
Overview [C-Grid Connector 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 Capable 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 1.120/g
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° to +105°C
Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/61/2018 (27 June
2018)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

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-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

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

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