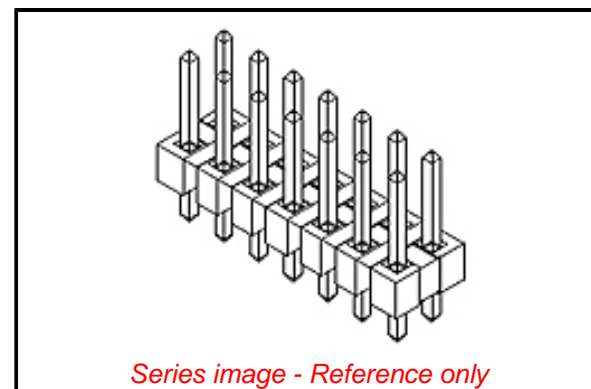


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Part Number: [0879144016](#)
Status: **Active**
Overview: [C-Grid Connector Products](#)
Description: 2.54mm Pitch C-Grid Header, Through Hole, Dual Row, Vertical, 40 Circuits, 2.50µm Tin (Sn) Overall Plating, Tray Packaging, Lead-Free

Documents:

3D Model	Packaging Specification PK-89990-489-001 (PDF)
Drawing (PDF)	Test Summary 879200001-TS-000 (PDF)
Product Specification PS-87920-019-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification 713080001-AS-000 (PDF)	



Series image - Reference only

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	822348867882

Physical

Breakaway	Yes
Circuits (Loaded)	40
Circuits (maximum)	40
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	2.239/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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free

Status

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

[87914 Series](#)

Mates With

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

Termination Interface: Style Through Hole

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

Application Specification 713080001-AS-000
Packaging Specification PK-89990-489-001
Product Specification PS-87920-019-001
Sales Drawing SD-87914-013-000
Test Summary 879200001-TS-000

This document was generated on 01/17/2022

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