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Part Number: [0879145626](#)
Status: **Active**
Overview: C-Grid Connector Products
Description: 2.54mm Pitch C-Grid Header, Through Hole, Dual Row, Vertical, 2.50µm Tin (Sn) Selective Plating, 56 Circuits, Bag Packaging, Lead-Free

Documents:

[Drawing \(PDF\)](#) [Packaging Specification PK-89990-489-001 \(PDF\)](#)
[Product Specification PS-87920-019-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification 713080001-AS-000 \(PDF\)](#)

General

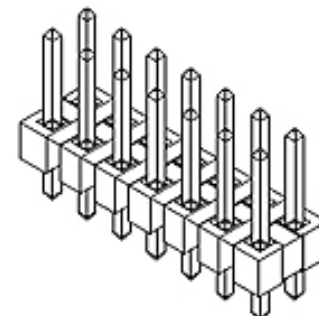
Product Family	PCB Headers
Series	87914
Application	Board-to-Board, Signal, Wire-to-Board
Overview	C-Grid Connector Products
Product Name	C-Grid
UPC	800756748955

Physical

Breakaway	Yes
Circuits (Loaded)	56
Circuits (maximum)	56
Color - Resin	Black
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height	7.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	3.401/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	2.96mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
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

Electrical

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
perfluorooctanoic acid
decamethylcyclotrasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
diisopentylphthalate
1,2-diethoxyethane
dibutyltin dichloride
1,3-propanesultone
ammoniumpentadecafluorooctanoate
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
2-(2H-benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
diisohexyl phthalate
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
n-pentyl-
isopentylphthalate
Boric acid
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
Tris(4-nonylphenyl,
branched and linear)
phosphi

China RoHS

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	003
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

Perfluorobutane sulfonic acid (PFBS) and its salt
 Pyrene
 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]penta-2,3,3,4,4,5,5,6,6,7-octa-2,3,3,4,4,5,5,6,6,7-dimethylhexahydrophthalic anhydride
 reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctylperfluorohexane-1-sulphonic acid and its salts
 di-n-pentyl phthalate (DPP)
 Lead sulfochromate yellow
 strontium chromate bis(2-methoxyethyl) ether
 pentazinc chromate octahydroxide
 1,2-dimethoxyethane
 1,2-bis(2-methoxyethoxy)ethane
 bis(pentabromophenyl) ether
 cadmium oxide (non-pyrophoric)
 cadmium sulphide
 orange lead
 lead
 cadmium
 lead dinitrate
 lead oxide sulfate
 pentalead tetraoxide sulphate
 dioxobis(stearato)trilead
 Lead titanium
 zirconium oxide
 lead cyanamidate
 Sulfurous acid, lead salt, dibasic
 [phthalato(2-)]dioxotrilead
 benzo[a]pyrene
 4-aminoazobenzene
 dihexyl phthalate (DnHP)
 ethylene thiourea

Halogen-Free**Status****Low-Halogen**

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

China ROHS	Not Relevant
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

This document was generated on 10/20/2020

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