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Part Number: [0879142826](#)
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, 28 Circuits, Tray 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 \(PDF\)](#)

Agency Certification

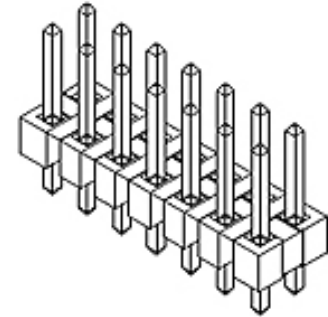
UL E29179

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 800756748818

Physical

Breakaway Yes
 Circuits (Loaded) 28
 Circuits (maximum) 28
 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 7.00mm
 Material - Metal Copper Alloy
 Material - Plating Mating Tin
 Material - Plating Termination Nickel
 Material - Resin High Temperature Thermoplastic
 Net Weight 1.700g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 2.96mm
 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

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

Electrical

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

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 sal
 Pyrene
 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
 Perfluorononan-1-
 oic acid
 (2,2,3,3,4,4,5,5,6,6,7
 Methylhexahydrophthalic
 anhydride
 reaction mass of
 2-ethylhexyl 10-
 ethyl-4,4-dioct
 Perfluorohexane-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

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