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**Part Number:** [0879144426](#)  
**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, 44 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**

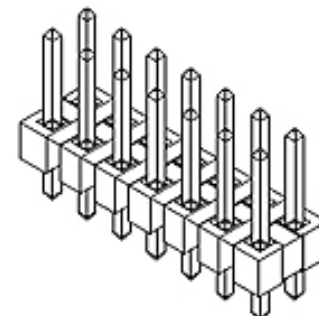
UL E29179

**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 800756748894

**Physical**

Breakaway Yes  
 Circuits (Loaded) 44  
 Circuits (maximum) 44  
 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 2.672/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 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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