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**Part Number:** [0879141826](#)  
**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, 18 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**

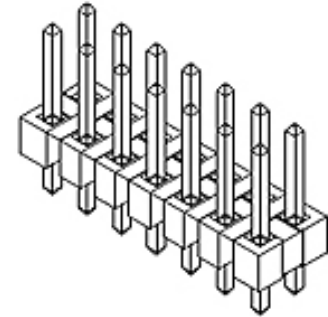
UL E29179

**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 800756748764

**Physical**

Breakaway Yes  
 Circuits (Loaded) 18  
 Circuits (maximum) 18  
 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 1.093/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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