



Part Number : 878980314

Product Description : C-Grid / SL Header, Surface Mount, Breakaway, Vertical, 3 Circuits, 0.38µm Gold (Au) Plating, Tray Packaging, with Cap, Lead-Free, Embossed Tape and Reel

Series Number : 87898

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

- [Drawing 878980314_sd.pdf](#)
- [Packaging Design Drawing PK-89990-486-001.pdf](#)
- [Packaging Design Drawing PK-89990-489-001.pdf](#)

3D Models and Design Files


- [3D Model 878980314_stp.zip](#)

Specifications

- [Application Specification 713080001-AS-000.pdf](#)
- [Product Specification PS-87920-019-001.pdf](#)
- [Test Summary 879200000-TS-000.pdf](#)
- [Test Summary 879200001-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	87898
Description	C-Grid / SL Header, Surface Mount, Breakaway, Vertical, 3 Circuits, 0.38µm Gold (Au) Plating, Tray Packaging, with Cap, Lead-Free, Embossed Tape and Reel
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid,SL
UPC	884982416475

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	3
Circuits (maximum)	3
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
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	162.581/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	3
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
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KK 254 PC Board Connector	<u>4455</u>
SL Single Row Female Insulation Displacement Connector Assemblies	<u>70400</u>
SL Single Row Female Receptacles	<u>70430</u>
C-Grid III Vertical Single Row PC Board Connectors	<u>90147</u>
C-Grid III Right-Angle Single Row PC Board Connectors	<u>90148</u>