



Part Number : 879142016

Series Number : 87914

Product Category : PCB Headers and Receptacles

Product Description : 2.54mm Pitch C-Grid Header, Through Hole, Dual Row, Vertical, 20 Circuits, 2.50µm Tin (Sn) Overall Plating, Tray Packaging, Lead-Free

Status : Active

Documents & Resources

Drawings

Drawing 879142016_sd.pdf

Packaging Design Drawing PK-89990-489-001.pdf

3D Models and Design Files

3D Model 879142016_stp.zip

Specifications

Application Specification 713080001-AS-000.pdf

Product Specification PS-87920-019-001.pdf

Test Summary 879200001-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
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	87914
Description	2.54mm Pitch C-Grid Header, Through Hole, Dual Row, Vertical, 20 Circuits, 2.50µm Tin (Sn) Overall Plating, Tray Packaging, Lead-Free
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid
UPC	822348867783

Agency

UL	E29179
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Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	20
Circuits (maximum)	20
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	5.84mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	1.120/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	2.79mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
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
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	12
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
SL Dual Row Crimp Housings	<u>70450</u>
C-Grid Vertical, Dual Row, High Profile, Through Hole PCB Receptacles	<u>71850</u>
2.54mm Pitch C-Grid Shunt Terminal Housings	<u>7859</u>