



Part Number : 10977046

Series Number : 70280

Product Category : PCB Headers and Receptacles

Product Description : 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 4 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.79mm PC Tail

Status : Active

Engineering Number : A-70280-0162

Documents & Resources

Drawings

Drawing 010977046_sd.pdf

3D Models and Design Files

3D Model 010977046_stp.zip

Specifications

Product Specification PS-70280-001.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	70280
Description	2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 4 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.79mm PC Tail
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid
UPC	822350169417

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	50
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	High Temperature Thermoplastic
Net Weight	0.271/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	2.79mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	2.032µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Lead-Free Process Capability	SMC&WAVE
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
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C-Grid Right-Angle, Dual Row, Surface Mount PCB Receptacles	<u>71979</u>
C-Grid Vertical, Dual Row, High Profile, Surface Mount PCB Connectors	<u>71395</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>

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