



Part Number : 10894142

Series Number : 70216

Product Category : PCB Headers and Receptacles

Product Description : 2.54mm Pitch C-Grid Breakaway Header, High Profile, Dual Row, Right-Angle, 14 Circuits, 6.10mm Mating Pin Length, 0.38µm Gold (Au) Selective Plating

Status : Active

Engineering Number : A-70216-0240

Documents & Resources

Drawings

- [Drawing 010894142_sd.pdf](#)
- [Packaging Design Drawing PK-70873-0075-001.pdf](#)
- [Packaging Design Drawing PK-70873-0353-001.pdf](#)

3D Models and Design Files

- [3D Model 010894142_stp.zip](#)

Specifications

- [Product Specification PS-70216-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 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	70216
Description	2.54mm Pitch C-Grid Breakaway Header, High Profile, Dual Row, Right-Angle, 14 Circuits, 6.10mm Mating Pin Length, 0.38µm Gold (Au) Selective Plating
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid
UPC	800754229647

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	50

Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	1.175/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tube
PC Tail Length	2.79mm
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.54mm
Plating min - Mating	3.810µm
Plating min - Termination	3.810µm
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

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

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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