



Part Number : 702471051

Series Number : 70247

Product Category : PCB Headers and Receptacles

Product Description : 2.54mm Pitch C-Grid Header, Low Profile, Dual Row, Right Angle, Shrouded, 10 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

Status : Active

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## Documents & Resources

### Drawings

Drawing 702471051\_sd.pdf

Packaging Design Drawing PK-87835-001-001.pdf

### 3D Models and Design Files

3D Model 702471051\_stp.zip

### Specifications


Application Specification 713080001-AS-000.pdf

Product Specification PS-70246-100-001.pdf

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## 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

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### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	70247
Description	2.54mm Pitch C-Grid Header, Low Profile, Dual Row, Right Angle, Shrouded, 10 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Family	C-Grid and C-Grid III Connector Products
Product Name	C-Grid
UPC	822348487974

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	250V DC

#### Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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 - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	1.628/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.05mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	1.905µm
Polarized to Mating Part	Center Slot
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55° to +120°C
Termination Interface Style	Through Hole

#### Solder Process Data

Max-Duration	10
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

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#### Mates With / Use With

Mates with Part(s)

Description	Part Number
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>
SL Dual Row Crimp Housings	<u>70450</u>