



**Part Number :** [702871001](#)

**Product Description :** 2.54mm Pitch C-Grid Header, Breakaway, Dual Row, Vertical, with Retention Pin, 6 Circuits, 6.10mm Mating Pin Length, Tin (Sn) Plating

**Series Number :** 70287

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[Drawing 702871001\\_sd.pdf](#)

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

### 3D Models and Design Files

[3D Model 702871001\\_stp.zip](#)

### Specifications

[Application Specification 713080001-AS-000.pdf](#)

[Product Specification PS-70280-001.pdf](#)

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## 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)3788-DC (14 Jun 2023)
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	70287
Description	2.54mm Pitch C-Grid Header, Breakaway, Dual Row, Vertical, with Retention Pin, 6 Circuits, 6.10mm Mating Pin Length, Tin (Sn) Plating
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid
UPC	822350865548

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

### Physical

Breakaway	Yes
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	25

First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	N/A
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.382/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.18mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.57mm
Pitch - Mating Interface	2.54mm
Pitch - Termination 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 +120°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	245

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
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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