



**Part Number :** 741620454

**Product Description :** 2.54mm Pitch C-Grid Header, Right-Angle, Through Hole, Dual Row, Shrouded, Version A, High-Temperature, 54 Circuits, 0.80µm Gold (Au)



**Series Number :** 74162

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 741620454\\_sd.pdf](#)

[Packaging Design Drawing PK-70873-0019-001.pdf](#)

### 3D Models and Design Files

[3D Model 741620454\\_stp.zip](#)

### Specifications

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

[Product Specification PS-74162-001-001.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	74162
Description	2.54mm Pitch C-Grid Header, Right-Angle, Through Hole, Dual Row, Shrouded, Version A, High-Temperature, 54 Circuits, 0.80µm Gold (Au)
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Family	C-Grid Connector Products
Product Name	C-Grid
UPC	883906879686

### Agency

UL	E29179
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### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	54
Circuits (maximum)	54
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0

Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Performance Thermoplastic
Net Weight	10.686/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	3.18mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.762µm
Polarized to Mating Part	No
Polarized to PCB	No
Robotic Placement	None
Shrouded	Fully
Stackable	No
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	260

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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>

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