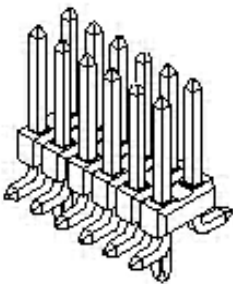




**Part Number :** [15911162](#)  
**Product Description :** C-Grid Breakaway PCB  
Header, 2.54mm Pitch, Surface Mount, Dual Row,  
Vertical, 16 Circuits, 0.38µm Gold (Au) Plating, 3.30mm  
Locator Pegs, 6.10mm Mating Pin Length, Tube  
**Series Number :** 71308  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Part Number :** 71308-4116N



## Documents and Resources

### Drawings

[015911162\\_sd.pdf](#)  
[713080001-PK-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[713080001-AS-000.pdf](#)  
[PS-71308-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                                     |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                          |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                                          |

|         |                           |
|---------|---------------------------|
| EU RoHS | Compliant per EU 2015/863 |
|---------|---------------------------|

#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|                |                                                                                                                                                                          |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                   |
| Category       | PCB Headers and Receptacles                                                                                                                                              |
| Series         | 71308                                                                                                                                                                    |
| Description    | C-Grid Breakaway PCB Header, 2.54mm Pitch, Surface Mount, Dual Row, Vertical, 16 Circuits, 0.38µm Gold (Au) Plating, 3.30mm Locator Pegs, 6.10mm Mating Pin Length, Tube |
| Application    | Board-to-Board, Wire-to-Board                                                                                                                                            |
| Component Type | PCB Header                                                                                                                                                               |
| Product Name   | C-Grid                                                                                                                                                                   |
| UPC            | 800754396370                                                                                                                                                             |

### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

### Electrical

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

## Physical

|                                |                              |
|--------------------------------|------------------------------|
| Breakaway                      | Yes                          |
| Circuits (Loaded)              | 16                           |
| Circuits (maximum)             | 16                           |
| Color - Resin                  | Black                        |
| Durability (mating cycles max) | 50                           |
| First Mate / Last Break        | No                           |
| Flammability                   | 94V-0                        |
| Gender                         | Male                         |
| Glow-Wire Capable              | No                           |
| Lock to Mating Part            | No                           |
| Material - Metal               | Copper Alloy                 |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Liquid Crystal Polymer (LCP) |
| Net Weight                     | 1.017/g                      |
| Number of Rows                 | 2                            |
| Orientation                    | Vertical                     |
| Packaging Type                 | Tube                         |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| Pitch - Mating Interface       | 2.54mm                       |
| Pitch - Termination Interface  | 2.54mm                       |
| Plating min - Mating           | 0.380µm                      |
| Plating min - Termination      | 2.000µm                      |
| Polarized to Mating Part       | No                           |
| Polarized to PCB               | No                           |
| Shrouded                       | Unshrouded                   |
| Stackable                      | Yes                          |
| Temperature Range - Operating  | -40° to +120°C               |
| Termination Interface Style    | Surface Mount                |

## Solder Process Data

|                              |        |
|------------------------------|--------|
| Max-Duration                 | 30     |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle                    | 3      |
| Max-Temp                     | 260    |

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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> |

### Use with Part(s)

| Description                                 | Part Number |
|---------------------------------------------|-------------|
| 2.54mm Pitch C-Grid Shunt Terminal Housings | <u>7859</u> |

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