



**Part Number :** [15911241](#)

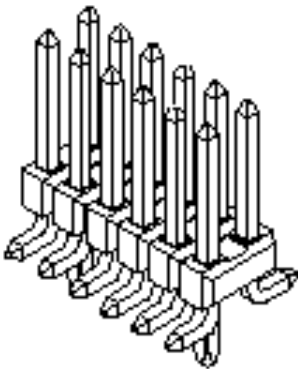
**Product Description :** 2.54mm Pitch C-Grid Breakaway Header, Surface Mount, Dual Row, Vertical, 24 Circuits, Tin (Sn) Plating, with 3.30mm PCB Locator Pegs

**Series Number :** 71308

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Number :** 71308-4024N



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## Documents & Resources

### Drawings

[Drawing 015911241\\_sd.pdf](#)

[Packaging Design Drawing 713080001-PK-000.pdf](#)

### 3D Models and Design Files

[3D Model 015911241\\_stp.zip](#)

### Specifications

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

[Product Specification PS-71308-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                       |
| 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         | 71308                                                                                                                                |
| Description    | 2.54mm Pitch C-Grid Breakaway Header, Surface Mount, Dual Row, Vertical, 24 Circuits, Tin (Sn) Plating, with 3.30mm PCB Locator Pegs |
| Application    | Board-to-Board, Signal, Wire-to-Board                                                                                                |
| Component Type | PCB Header                                                                                                                           |
| Product Family | C-Grid Connector Products                                                                                                            |
| Product Name   | C-Grid                                                                                                                               |
| UPC            | 800754654784                                                                                                                         |

#### Agency

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

#### Electrical

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

#### Physical

|                    |       |
|--------------------|-------|
| Breakaway          | Yes   |
| Circuits (Loaded)  | 24    |
| Circuits (maximum) | 24    |
| Color - Resin      | Black |

|                                |                                |
|--------------------------------|--------------------------------|
| Durability (mating cycles max) | 25                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Lock to Mating Part            | None                           |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.479/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tube                           |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| 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 +120°C                 |
| Termination Interface Style    | Surface Mount                  |

#### Solder Process Data

|                              |        |
|------------------------------|--------|
| Max-Duration                 | 5      |
| Lead-Free Process Capability | REFLOW |
| 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,<br>Surface Mount PCB Receptacles              | <u>71979</u> |
| C-Grid Vertical, Dual Row, High<br>Profile, Surface Mount PCB<br>Connectors | <u>71395</u> |
| C-Grid Vertical, Dual Row, High<br>Profile, Through Hole PCB<br>Receptacles | <u>71850</u> |
| 2.54mm Pitch C-Grid Shunt<br>Terminal Housings                              | <u>7859</u>  |

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