



**Part Number :** [15912800](#)  
**Product Description :** 2.54mm Pitch C-Grid Breakaway Header, Surface Mount, Dual Row, Vertical, 80 Circuits, Tin (Sn) Plating, without PCB Locator Pegs  
**Series Number :** 71308  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 71308-0080N



## Documents & Resources


**Drawings**  
[015912800\\_sd.pdf](#)  
[713080001-PK-000.pdf](#)

**3D Models and Design Files**  
[015912800\\_stp.zip](#)

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

## 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(2024)6225-DC (07 Nov 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         | 71308  |
| Description    | 2.54mm Pitch C-Grid Breakaway Header, Surface Mount, Dual Row, Vertical, 80 Circuits, Tin (Sn) Plating, without PCB Locator Pegs |
| Application    | Board-to-Board, Signal, Wire-to-Board  |
| Component Type | PCB Header   |
| Product Name   | C-Grid   |
| UPC            | 800754397063   |

#### Agency

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

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | Yes   |
| Circuits (Loaded)              | 80    |
| Circuits (maximum)             | 80    |
| 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                     | 4.862/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tube                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| 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                 | 30     |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle                    | 3      |
| 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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