



**Part Number :** [15910200](#)  
**Product Description :** 2.54mm Pitch C-Grid  
Breakaway Header, Surface Mount, Dual Row,  
Vertical, 20 Circuits, 0.38µm Gold (Au)  
Selective Plating  
**Series Number :** 71308  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles  
**Engineering Number :** 71308-0120N



Documents & Resources

Drawings

[Drawing 015910200\\_sd.pdf](#)  
[Packaging Design Drawing 713080001-PK-000.pdf](#)

3D Models and Design Files

[3D Model 015910200\\_stp.zip](#)

Specifications

[Application Specification 713080001-AS-000.pdf](#)  
[Product Specification 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)4144-DC<br>(27 June 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, 20 Circuits, 0.38µm Gold (Au) Selective Plating |
| Application    | Board-to-Board, Signal, Wire-to-Board                                                                                    |
| Component Type | PCB Header                                                                                                               |
| Product Family | C-Grid and C-Grid III Connector Products                                                                                 |
| Product Name   | C-Grid                                                                                                                   |
| UPC            | 800754223225                                                                                                             |

#### Agency

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

#### Electrical

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

#### Physical

|                   |     |
|-------------------|-----|
| Breakaway         | Yes |
| Circuits (Loaded) | 20  |

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (maximum)             | 20                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Lock to Mating Part            | None                           |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.196/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tube                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 2.032µm                        |
| 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                     | 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> |
| 2.54mm Pitch C-Grid Shunt Terminal Housings                           | <u>7859</u>  |