



**Part Number :** [713080186](#)

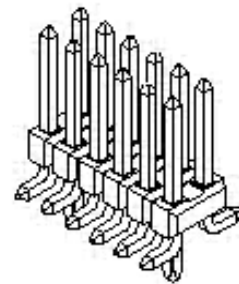
**Product Description :** 2.54mm Pitch C-Grid  
Breakaway Header, Surface Mount, Dual Row, Vertical,  
86 Circuits, 0.38µm Gold (Au) Selective Plating, without  
PCB Locator Pegs

**Series Number :** 71308

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents and Resources

### Drawings

[713080186 sd.pdf](#)

[713080000-PK-000.pdf](#)

[713080001-PK-000.pdf](#)

[713080002-PK-000.pdf](#)

[713080003-PK-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

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

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

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## Product Environment Compliance

### Compliance

|                    |                                     |
|--------------------|-------------------------------------|
| GADSL/IMDS         | Not Relevant                        |
| China RoHS         | Not Reviewed per SJ/T<br>11365-2006 |
| EU ELV             | Not Relevant                        |
| Low-Halogen Status | Not Reviewed per IEC 61249-2-21     |
| REACH SVHC         | Not Reviewed per D(2025)7771-       |

|         |                              |
|---------|------------------------------|
|         | DC (04 Feb 2026)             |
| EU RoHS | Not Reviewed 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    | 2.54mm Pitch C-Grid Breakaway Header, Surface Mount, Dual Row, Vertical, 86 Circuits, 0.38µm Gold (Au) Selective Plating, without PCB Locator Pegs |
| Application    | Board-to-Board, Signal, Wire-to-Board                                                                                                              |
| Component Type | PCB Header                                                                                                                                         |
| Product Name   | C-Grid                                                                                                                                             |
| UPC            | 822348738151                                                                                                                                       |

### Agency

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

## Electrical

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

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 86                             |
| Circuits (maximum)             | 86                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| First Mate / Last Break        | No                             |
| 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                     | 6.349/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

|                              |        |
|------------------------------|--------|
| Lead-Free Process Capability | REFLOW |
| 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>  |