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**Part Number:** [0713088016](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid Breakaway Header, Surface Mount, Dual Row, Vertical, 16 Circuits, 0.38µm Tin (Sn) Plating, with 8.13mm Mating Pin Length

**Documents:**

|                                                                  |                                                                |
|------------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                         | <a href="#">Packaging Specification 713080000-PK-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification 713080001-PK-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Packaging Specification 713080002-PK-000 (PDF)</a> |
| <a href="#">Product Specification PS-71308-001 (PDF)</a>         | <a href="#">Packaging Specification 713080003-PK-000 (PDF)</a> |
| <a href="#">Application Specification 713080001-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

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

**General**

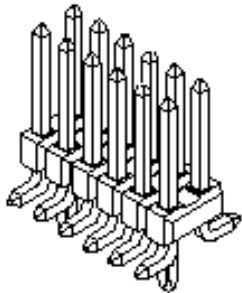
|                |                                           |
|----------------|-------------------------------------------|
| Product Family | PCB Headers                               |
| Series         | <a href="#">71308</a>                     |
| Application    | Board-to-Board, Signal, Wire-to-Board     |
| Overview       | <a href="#">C-Grid Connector Products</a> |
| Product Name   | C-Grid                                    |
| UPC            | 822348064403                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 16                             |
| Circuits (maximum)             | 16                             |
| 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      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.114/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| Packaging Type                 | Tube                           |
| 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 +105°C                 |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[71308 Series](#)

**Solder Process Data**

|                                                |        |
|------------------------------------------------|--------|
| Duration at Max. Process Temperature (seconds) | 030    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 003    |
| Process Temperature max. C                     | 245    |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| Application Specification | 713080001-AS-000                                                       |
| Packaging Specification   | 713080000-PK-000, 713080001-PK-000, 713080002-PK-000, 713080003-PK-000 |
| Product Specification     | PS-71308-001                                                           |
| Sales Drawing             | 713080000-SD-000                                                       |

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