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**Part Number:** [0702871149](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid Header, Breakaway, Dual Row, Vertical, with Retention Pin, 8 Circuits, 8.13mm Mating Pin Length, 0.38µm Gold (Au) Selective Plating

**Documents:**

|                                                          |                                                                 |
|----------------------------------------------------------|-----------------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification TS-70541-001-001 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-70873-0353-001 (PDF)</a> |
| <a href="#">Product Specification PS-70280-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

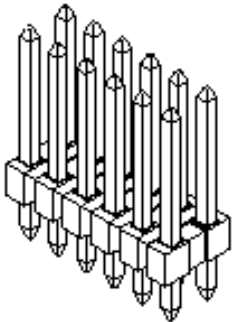
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                           |
|----------------|-------------------------------------------|
| Product Family | PCB Headers                               |
| Series         | <a href="#">70287</a>                     |
| Application    | Board-to-Board, Signal, Wire-to-Board     |
| Overview       | <a href="#">C-Grid Connector Products</a> |
| Product Name   | C-Grid                                    |
| UPC            | 822350867559                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 8                              |
| Circuits (maximum)             | 8                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 25                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | N/A                            |
| Lock to Mating Part            | None                           |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.565/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.18mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.57mm                         |
| Packaging Type                 | Bag                            |
| Pitch - Mating Interface       | 2.54mm                         |
| Pitch - Termination 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                            |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40° to +120°C                 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**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**

[70287 Series](#)

**Mates With**

7859 Shunt, C-Grid Receptacles, SL Crimp, FFC and IDT Housing

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Termination Interface: Style                   | Through Hole                   |
| <b>Electrical</b>                              |                                |
| Current - Maximum per Contact                  | 3.0A                           |
| Voltage - Maximum                              | 250V DC                        |
| <b>Solder Process Data</b>                     |                                |
| Duration at Max. Process Temperature (seconds) | 005                            |
| Lead-freeProcess Capability                    | WAVE                           |
| Max. Cycles at Max. Process Temperature        | 001                            |
| Process Temperature max. C                     | 260                            |
| <b>Material Info</b>                           |                                |
| <b>Reference - Drawing Numbers</b>             |                                |
| Packaging Specification                        | PK-70873-0353-001              |
| Product Specification                          | PS-70280-001, TS-70541-001-001 |
| Sales Drawing                                  | SD-70287-003, SD-70287-003-002 |

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