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**Part Number:** [0702871101](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid Header, Breakaway, Dual Row, Vertical, with Retention Pin, 10 Circuits, 6.10mm Mating Pin Length, 0.38µm Gold (Au) Selective Plating

**Documents:**

[3D Model](#) [Packaging Specification PK-70873-0353-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-70280-001 \(PDF\)](#)

**Agency Certification**

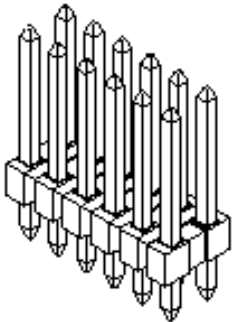
CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [70287](#)  
3D Viewer Yes  
Application Board-to-Board, Signal, Wire-to-Board  
CURRENT-MAX-NUMERIC 3.0  
Overview [C-Grid Connector Products](#)  
PITCH-MATING-NUMERIC 2.54  
Product Name C-Grid  
UPC 822350865616

**Physical**

Breakaway Yes  
Circuits (Loaded) 10  
Circuits (maximum) 10  
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 0.618/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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**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

|                                                |                   |
|------------------------------------------------|-------------------|
| Stackable                                      | Yes               |
| Surface Mount Compatible (SMC)                 | Yes               |
| Temperature Range - Operating                  | -40° to +120°C    |
| 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      |
| Sales Drawing                                  | SD-70287-004-001  |

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