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**Part Number:** [0010897742](#)  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 74 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail

**Documents:**

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

**Agency Certification**

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

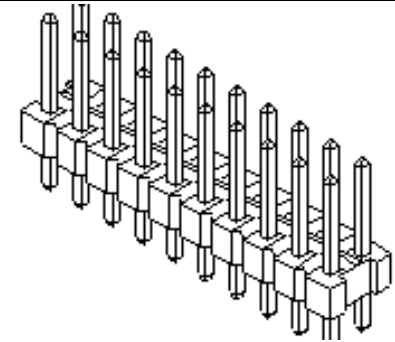
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                               |
| Series         | <a href="#">70280</a>                     |
| Application    | Board-to-Board, Signal, Wire-to-Board     |
| Overview       | <a href="#">C-Grid Connector Products</a> |
| Product Name   | C-Grid                                    |
| UPC            | 800755022193                              |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | Yes            |
| Circuits (Loaded)              | 74             |
| Circuits (maximum)             | 74             |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 50             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-0          |
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | None           |
| Material - Metal               | Copper Alloy   |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Net Weight                     | 4.937/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| PC Tail Length                 | 2.79mm         |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.60mm         |
| Packaging Type                 | Bag            |
| Pitch - Mating Interface       | 2.54mm         |
| Plating min - Mating           | 0.381µm        |
| Plating min - Termination      | 1.905µm        |
| Polarized to Mating Part       | No             |
| Polarized to PCB               | No             |
| Shrouded                       | No             |
| Stackable                      | Yes            |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[70280 Series](#)

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

**Solder Process Data**

|  |          |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 030      |
| Lead-free Process Capability                   | SMC&WAVE |
| Max. Cycles at Max. Process Temperature        | 003      |
| Process Temperature max. C                     | 260      |

**Material Info**

|                    |              |
|--------------------|--------------|
| Engineering Number | A-70280-0077 |
|--------------------|--------------|

**Reference - Drawing Numbers**

|                         |                         |
|-------------------------|-------------------------|
| Packaging Specification | PK-70873-0353-001       |
| Product Specification   | PS-70280-001            |
| Sales Drawing           | SDA-70280-0001-4000-001 |

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