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**Part Number:** [0702475051](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid Header, Dual Row, Low Profile, Right Angle, Shrouded, 50 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:**

|                                                              |                                                            |
|--------------------------------------------------------------|------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-87835-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>       |
| <a href="#">Product Specification PS-70246-100-001 (PDF)</a> |                                                            |

**Agency Certification**

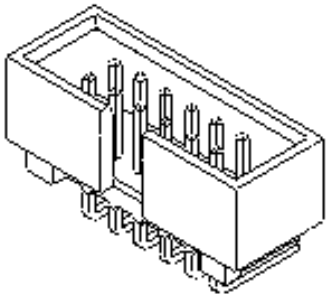
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                      |                                           |
|----------------------|-------------------------------------------|
| Product Family       | PCB Headers                               |
| Series               | <a href="#">70247</a>                     |
| 3D Viewer            | Yes                                       |
| Application          | Signal, Wire-to-Board                     |
| CURRENT-MAX-NUMERIC  | 2.5                                       |
| Overview             | <a href="#">C-Grid Connector Products</a> |
| PITCH-MATING-NUMERIC | 2.54                                      |
| Product Name         | C-Grid                                    |
| UPC                  | 822348488551                              |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 50             |
| Circuits (maximum)             | 50             |
| 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 - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Net Weight                     | 6.617/g        |
| Number of Rows                 | 2              |
| Orientation                    | Right Angle    |
| PC Tail Length                 | 3.05mm         |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.60mm         |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 2.54mm         |
| Pitch - Termination Interface  | 2.54mm         |
| Plating min - Mating           | 0.381µm        |
| Plating min - Termination      | 1.905µm        |
| Polarized to Mating Part       | Center Slot    |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Temperature Range - Operating  | -55° to +120°C |



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**

**Not 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**

[70247](#) Series

**Mates With**

[70450](#) SL Crimp Housing, [70058](#) SL Crimp Terminal

|                                                |                   |
|------------------------------------------------|-------------------|
| Termination Interface: Style                   | Through Hole      |
| <b>Electrical</b>                              |                   |
| Current - Maximum per Contact                  | 2.5A              |
| Voltage - Maximum                              | 250V DC           |
| <b>Solder Process Data</b>                     |                   |
| Duration at Max. Process Temperature (seconds) | 010               |
| Lead-freeProcess Capability                    | WAVE              |
| Max. Cycles at Max. Process Temperature        | 001               |
| Process Temperature max. C                     | 235               |
| <b>Material Info</b>                           |                   |
| <b>Reference - Drawing Numbers</b>             |                   |
| Packaging Specification                        | PK-87835-001      |
| Product Specification                          | PS-70246-100-001  |
| Sales Drawing                                  | SDA-70247-XX00-04 |

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