



**Part Number :** [10897242](#)  
**Product Description :** 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 24 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail  
**Series Number :** 70280  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-70280-0052



Documents & Resources


**Drawings**  
[010897242\\_sd.pdf](#)  
[PK-70873-0353-001.pdf](#)

**3D Models and Design Files**  
[010897242\\_stp.zip](#)

**Specifications**  
[PS-70280-001.pdf](#)

Product Environment Compliance

Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33   |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)  |
| EU RoHS            | Compliant per EU 2015/863   |

- Multiple Part Product Compliance Statements
- Eu RoHS
  - REACH SVHC
  - Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |   |
|----------------|---|
| Status         | Active  |
| Category       | PCB Headers and Receptacles   |
| Series         | 70280   |
| Description    | 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 24 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail |
| Application    | Board-to-Board, Signal, Wire-to-Board   |
| Component Type | PCB Header  |
| Product Name   | C-Grid  |
| UPC            | 800755021820  |

#### Agency

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

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | Yes   |
| Circuits (Loaded)              | 24    |
| Circuits (maximum)             | 24    |
| 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                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.455/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Bag                            |
| PC Tail Length                 | 2.79mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Pitch - Mating 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                            |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

#### Solder Process Data

|                              |          |
|------------------------------|----------|
| Lead-Free Process Capability | SMC&WAVE |
| Max-Temp                     | 260      |

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#### Mates With / Use With

Mates with Part(s)

| Description   | Part Number  |
|---|--------------|
| C-Grid Right-Angle, Dual Row, Surface Mount PCB Receptacles           | <u>71979</u> |
| C-Grid Vertical, Dual Row, High Profile, Surface Mount PCB Connectors | <u>71395</u> |
| C-Grid Vertical, Dual Row, High Profile, Through Hole PCB Receptacles | <u>71850</u> |
| 2.54mm Pitch C-Grid Shunt Terminal Housings                           | <u>7859</u>  |

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