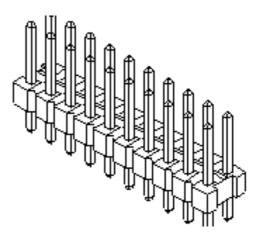


#### Part Number : 10897800

Product Description : 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 80 Circuits, 0.76µm 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-70280-0120



### **Documents & Resources**

#### Drawings

010897800\_sd.pdf PK-70873-0353-001.pdf

**3D Models and Design Files** 010897800\_stp.zip

Specifications PS-70280-001.pdf

## **Product Environment Compliance**

#### Compliance

| GADSL/IMDS         | Not Relevant                                      |
|--------------------|---|
| China RoHS         | Ø   |
| EU ELV             | Not Relevant                                      |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                    |
| REACH SVHC         | Not Contained per D(2024)6225-DC<br>(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

## Part Details

#### General

| Status         | Active  |
|----------------|---|
| Category       | PCB Headers and Receptacles   |
| Series         | 70280   |
| Description    | 2.54mm Pitch C-Grid Breakaway<br>Header, Dual Row, Vertical, High<br>Temperature, 80 Circuits, 0.76µm<br>Gold (Au) Selective Plating, Tin (Sn)<br>PC Tail Plating, 2.72mm PC Tail |
| Application    | Board-to-Board, Signal, Wire-to-<br>Board   |
| Component Type | PCB Header  |
| Product Name   | C-Grid  |
| UPC            | 800755022223  |

# Agency

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

### Electrical

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

# Physical

| Breakaway                      | Yes   |
|--------------------------------|-------|
| Circuits (Loaded)              | 80    |
| Circuits (maximum)             | 80    |
| 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                     | 5.177/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           | 0.813µm                        |
| 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

| Max-Duration                 | 30       |
|------------------------------|----------|
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle                    | 3        |
| Max-Temp                     | 260      |

# Mates With / Use With

## Mates with Part(s)

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

This document was generated on Jan 17, 2025