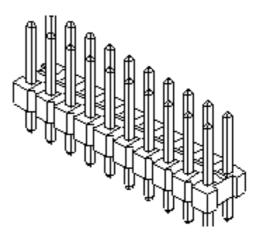


Part Number : 10897062

Product Description : 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 6 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-70280-0043



Documents & Resources

Drawings

010897062_sd.pdf PK-70873-0353-001.pdf

3D Models and Design Files 010897062_stp.zip

Specifications PS-70280-001.pdf

Product Environment Compliance

Compliance

| GADSL/IMDS | Not Relevant |
|--------------------|---|
| | |
| China RoHS | ® |
| EU ELV | Compliant per 2000/53/EC |
| 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

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, 6 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 | 800754230247 |

Agency

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

Electrical

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

Physical

| Breakaway | Yes |
|--------------------------------|-------|
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| 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 | 0.364/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

| 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, 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 | 7859 |

This document was generated on Jan 17, 2025