

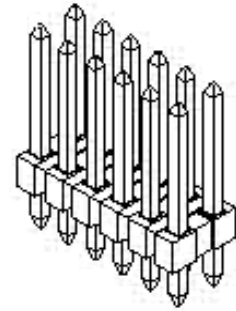
Part Number : [702871201](#)

Product Description : 2.54mm Pitch C-Grid Header, Breakaway, Dual Row, Vertical, with Retention Pin, 14 Circuits, 6.10mm Mating Pin Length, 0.76µm Gold (Au) Selective Plating

Series Number : 70287

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[702871201_sd.pdf](#)

[PK-70873-0353-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


Specifications

[713080001-AS-000.pdf](#)

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

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 70287 |
| Description | 2.54mm Pitch C-Grid Header, Breakaway, Dual Row, Vertical, with Retention Pin, 14 Circuits, 6.10mm Mating Pin Length, 0.76µm Gold (Au) Selective Plating |
| Application | Board-to-Board, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | C-Grid |
| UPC | 822350865821 |

Agency

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

Electrical

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

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | Yes |
| Circuits (Loaded) | 14 |
| Circuits (maximum) | 14 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Gender | Male |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | N/A |
| Lock to Mating Part | No |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Mounting Style | Through Hole |
| Net Weight | 0.871/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.57mm |
| PC Tail Length | 3.18mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 0.813µm |
| Plating min - Termination | 2.032µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | Unshrouded |
| Stackable | Yes |
| Temperature Range - Operating | -40° to +120°C |
| Termination Interface Style | Through Hole |

Solder Process Data

| | |
|------------------------------|------|
| Max-Duration | 5 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| 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 | <u>7859</u> |

This document was generated on May 26, 2026