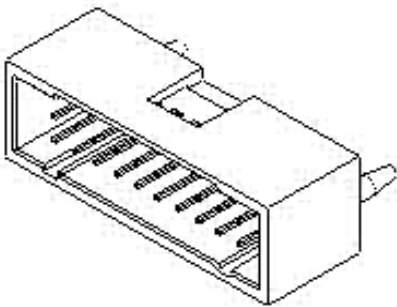




**Part Number :** [15477648](#)  
**Product Description :** 2.54mm Pitch C-Grid Header, Through Hole, Dual Row, Vertical, High Temperature, Shrouded, with Peg, 48 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating  
**Series Number :** 70568  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-70568-0056



## Documents & Resources

### Drawings

[015477648\\_sd.pdf](#)  
[PK-70873-0018-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[PS-70567-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>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)4165-DC<br>(25 June 2025)                                                           |
| 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

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## Part Details

### General

|                |                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                        |
| Category       | PCB Headers and Receptacles                                                                                                                                                   |
| Series         | 70568                                                                                                                                                                         |
| Description    | 2.54mm Pitch C-Grid Header, Through Hole, Dual Row, Vertical, High Temperature, Shrouded, with Peg, 48 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating |
| Application    | Signal, Wire-to-Board                                                                                                                                                         |
| Component Type | PCB Header                                                                                                                                                                    |
| Product Name   | C-Grid                                                                                                                                                                        |
| UPC            | 800754628266                                                                                                                                                                  |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.5A |
| Voltage - Maximum             | 250V |

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 48                             |
| Circuits (maximum)             | 48                             |
| Color - Resin                  | Black                          |
| 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            | Yes                            |
| Material - Metal               | Brass, Phosphor Bronze         |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 8.369/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tube                           |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 2.40mm                         |
| PC Tail Length                 | 3.30mm                         |
| Pitch - Mating Interface       | 2.54mm                         |
| Pitch - Termination Interface  | 2.54mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.910µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Temperature Range - Operating  | -55° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |          |
|------------------------------|----------|
| Max-Duration                 | 5        |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle                    | 1        |
| Max-Temp                     | 245      |

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**Mates With / Use With**

**Mates with Part(s)**

|                                                                       |              |
|-----------------------------------------------------------------------|--------------|
| Description                                                           | Part Number  |
| C-Grid Vertical, Dual Row, High Profile, Through Hole PCB Receptacles | <u>71850</u> |