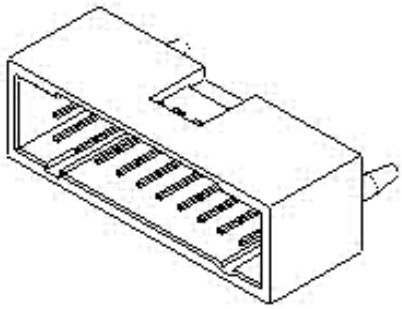
molex



**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 Part Number :** A-70568-0056

## Documents and 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 | 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 |

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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 | 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 |

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**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 | No |
| Lock to Mating Part | Yes |
| Material - Metal | Brass, Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Mounting Style | Through Hole |
| 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 | Shrouded |
| Stackable | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Through Hole |

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### Solder Process Data

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

## Mates With / Use With

### Mates with Part(s)

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



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