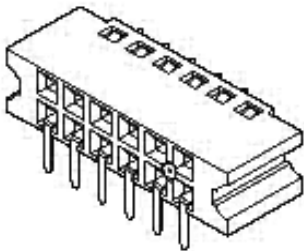




**Part Number :** [719731016](#)  
**Product Description :** 2.54mm Pitch C-Grid PCB  
Connector, Dual Row, Right-Angle, Early Entry  
Receptacle, with Flange, 32 Circuits  
**Series Number :** 71973  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[719731016 sd.pdf](#)  
[PK-70873-0139-001.pdf](#)

### 3D Models and Design Files

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

### Specifications

[713080001-AS-000.pdf](#)  
[PS-71973-9999-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                |
|--------------------|------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                   |
| China RoHS         | Not Relevant                                   |
| 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

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## Part Details

### General

|                |                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                     |
| Category       | PCB Headers and Receptacles                                                                                |
| Series         | 71973                                                                                                      |
| Description    | 2.54mm Pitch C-Grid PCB Connector, Dual Row, Right-Angle, Early Entry Receptacle, with Flange, 32 Circuits |
| Application    | Board-to-Board, Signal                                                                                     |
| Component Type | PCB Receptacle                                                                                             |
| Product Name   | C-Grid                                                                                                     |
| UPC            | 800753932784                                                                                               |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum             | 250V |

### Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 32                             |
| Circuits (maximum)             | 32                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 3.988/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tube                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 3.05mm                         |
| PC Tail Length                 | 3.05mm                         |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to PCB               | No                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 10   |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 3    |
| Max-Temp                     | 260  |