



**Part Number :** [15453648](#)

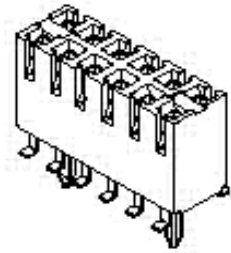
**Product Description :** 2.54mm Pitch C-Grid PCB Connector, Surface Mount, High Profile, Dual Row, Vertical, 48 Circuits

**Series Number :** 71395

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** 71395-0248



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## Documents and Resources

### Drawings

[015453648 sd.pdf](#)

[PK-70873-0662-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

### Specifications

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

[AS-71395-001-001.pdf](#)

[PS-71395-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |                                               |
|--------------------|-----------------------------------------------|
| GADSL/IMDS         | Not Relevant                                  |
| China RoHS         | Not Reviewed per SJ/T 11365-2006              |
| EU ELV             | Not Relevant                                  |
| Low-Halogen Status | Not Reviewed per IEC 61249-2-21               |
| REACH SVHC         | Not Reviewed per D(2025)6375-DC (05 Nov 2025) |

|         |                              |
|---------|------------------------------|
| EU RoHS | Not Reviewed 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         | 71395                                                                                           |
| Description    | 2.54mm Pitch C-Grid PCB Connector, Surface Mount, High Profile, Dual Row, Vertical, 48 Circuits |
| Application    | Board-to-Board, Signal                                                                          |
| Component Type | PCB Receptacle                                                                                  |
| Product Name   | C-Grid                                                                                          |
| UPC            | 800755004311                                                                                    |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.5A |
|-------------------------------|------|

|                   |               |
|-------------------|---------------|
| Grounding to PCB  | No            |
| Voltage - Maximum | 250V AC (RMS) |

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 48                             |
| Circuits (maximum)             | 48                             |
| 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               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Pitch - Mating Interface       | 2.54mm                         |
| Pitch - Termination Interface  | 2.54mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to Mating Part       | No                             |
| Polarized to PCB               | No                             |
| Stackable                      | No                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Surface Mount                  |

## Solder Process Data

|                              |        |
|------------------------------|--------|
| Lead-Free Process Capability | REFLOW |
|------------------------------|--------|

|          |     |
|----------|-----|
| Max-Temp | 260 |
|----------|-----|

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## Mates With / Use With

### Mates with Part(s)

| Description                                                   | Part Number                  |
|---------------------------------------------------------------|------------------------------|
| C-Grid Vertical, Dual Row, Low Profile Headers                | <a href="#"><u>70246</u></a> |
| C-Grid Vertical, Dual Row, Through Hole Headers without Peg   | <a href="#"><u>70567</u></a> |
| C-Grid Right-Angle, Dual Row, Low Profile Headers             | <a href="#"><u>70247</u></a> |
| C-Grid Right-Angle, Dual Row, Through Hole Headers            | <a href="#"><u>74162</u></a> |
| C-Grid Vertical Dual Row Breakaway Headers                    | <a href="#"><u>70280</u></a> |
| C-Grid Vertical Dual Row Breakaway Headers with Retention Pin | <a href="#"><u>70287</u></a> |
| C-Grid Vertical, Dual Row, Surface Mount Breakaway Headers    | <a href="#"><u>71308</u></a> |
| C-Grid Right-Angle Dual Row Breakaway Headers                 | <a href="#"><u>70216</u></a> |
| C-Grid Right-Angle, Dual Row, Low Profile, Breakaway Headers  | <a href="#"><u>71764</u></a> |