



**Part Number :** [10894186](#)  
**Product Description :** 2.54mm Pitch C-Grid  
Breakaway Header, High Profile, Dual Row, Right-  
Angle, 18 Circuits, 6.10mm Mating Pin Length, 0.76µm  
Gold (Au) Selective Plating  
**Series Number :** 70216  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Part Number :** 70216-0398



## Documents and Resources

### Drawings

- [010894186\\_sd.pdf](#)
- [PK-70873-0075-001.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-70216-001.pdf](#)

## 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         | 70216                                                                                                                                                |
| Description    | 2.54mm Pitch C-Grid Breakaway Header, High Profile, Dual Row, Right-Angle, 18 Circuits, 6.10mm Mating Pin Length, 0.76µm Gold (Au) Selective Plating |
| Application    | Board-to-Board, Signal, Wire-to-Board                                                                                                                |
| Component Type | PCB Header                                                                                                                                           |
| Product Name   | C-Grid                                                                                                                                               |
| UPC            | 800753973336                                                                                                                                         |

### Agency

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

### Electrical

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

## Physical

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | Yes                    |
| Circuits (Loaded)              | 18                     |
| Circuits (maximum)             | 18                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 50                     |
| First Mate / Last Break        | No                     |
| Glow-Wire Capable              | No                     |
| Lock to Mating Part            | None                   |
| Material - Metal               | Brass, Phosphor Bronze |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Polyester              |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Tube                   |
| PCB Locator                    | No                     |
| PCB Retention                  | None                   |
| PC Tail Length                 | 2.79mm                 |
| Pitch - Mating Interface       | 2.54mm                 |
| Plating min - Mating           | 3.810µm                |
| Plating min - Termination      | 3.810µm                |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| Shrouded                       | No                     |
| Stackable                      | Yes                    |
| Temperature Range - Operating  | -40° to +105°C         |
| Termination Interface Style    | Through Hole           |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |

|           |     |
|-----------|-----|
| Max-Cycle | 1   |
| Max-Temp  | 235 |

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## 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>  |