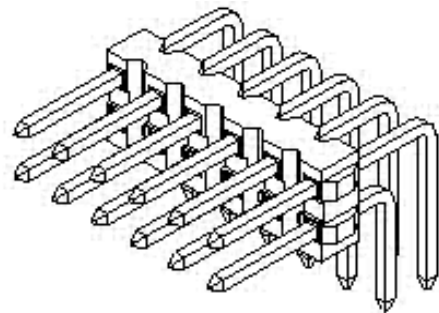




**Part Number :** [10894302](#)  
**Product Description :** 2.54mm Pitch C-Grid  
Breakaway Header, High Profile, Dual Row, Right-  
Angle, 30 Circuits, 6.10mm Mating Pin Length, 0.38µm  
Gold (Au) Selective Plating  
**Series Number :** 70216  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-70216-0248



## Documents & Resources

### Drawings

[010894302\\_sd.pdf](#)  
[PK-70873-0075-001.pdf](#)

### 3D Models and Design Files

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

### Specifications

[PS-70216-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                                       |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                              |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2025)4165-DC (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

## 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, 30 Circuits, 6.10mm Mating Pin Length, 0.38µm Gold (Au) Selective Plating |
| Application    | Board-to-Board, Signal, Wire-to-Board                                                                                                                |
| Component Type | PCB Header                                                                                                                                           |
| Product Name   | C-Grid                                                                                                                                               |
| UPC            | 800753609914                                                                                                                                         |

### Agency

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

### Electrical

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

## Physical

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | Yes                    |
| Circuits (Loaded)              | 30                     |
| Circuits (maximum)             | 30                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 50                     |
| Flammability                   | 94V-0                  |
| 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              |
| Net Weight                     | 2.609/g                |
| 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>  |