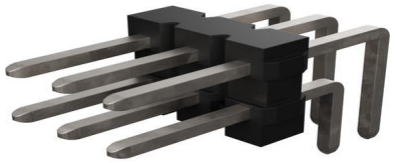
**Part Number :** 10883061
**Product Description :** C-Grid Breakaway Header, 2.54mm Pitch, High Profile, Dual Row, Right Angle, 6 Circuits, 6.10mm Mating Pin Length, Tin (Sn) Plating
**Series Number :** 70216
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** 70216-0080



## Documents and Resources

### Drawings

010883061_sd.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 | 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)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS

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- 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 | 70216 |
| Description | C-Grid Breakaway Header, 2.54mm Pitch, High Profile, Dual Row, Right Angle, 6 Circuits, 6.10mm Mating Pin Length, Tin (Sn) Plating |
| Application | Board-to-Board, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | C-Grid |
| UPC | 800755011722 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.5A |
| Voltage - Maximum | 250V |

### Physical

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| | |
|---|---|
| Breakaway | Yes |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Gender | Male |
| Glow-Wire Capable | No |
| Lock to Mating Part | No |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Mounting Style | Through Hole |
| Net Weight | 0.529/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tube |
| PCB Locator | No |
| PCB Retention | No |
| PC Tail Length | 2.79mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 3.810µm |
| Plating min - Termination | 3.810µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | Unshrouded |
| Stackable | Yes |
| Temperature Range - Operating | -40° to +120°C |
| Termination Interface Style | Through Hole |

**Solder Process Data**

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

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

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| C-Grid Right-Angle, Dual Row, Surface Mount PCB Receptacles | 71979 |
| C-Grid Vertical, Dual Row, High Profile, Surface Mount PCB Connectors | 71395 |
| C-Grid Vertical, Dual Row, High Profile, Through Hole PCB Receptacles | 71850 |
| 2.54mm Pitch C-Grid Shunt Terminal Housings | 7859 |



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