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Part Number: [0010894302](#)
Status: **Active**
Overview: C-Grid Connector Products
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

Documents:

| | |
|--------------------------------|---|
| 3D Model | Product Specification PS-70216-001 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-70873-0075-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

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

General

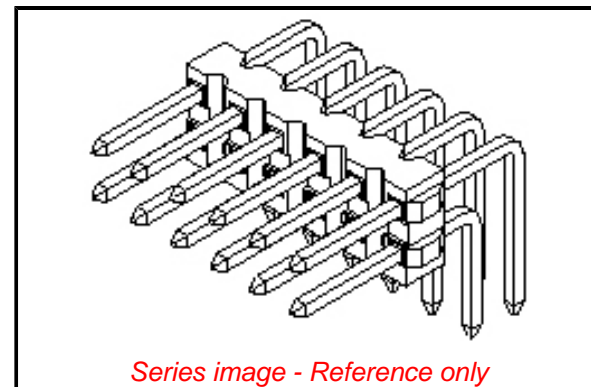
| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 70216 |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Overview | C-Grid Connector Products |
| Product Name | C-Grid |
| Taxonomy | PCB Headers and Receptacles |
| UPC | 800753609914 |

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 |
| PC Tail Length | 2.79mm |
| PCB Locator | No |
| PCB Retention | None |
| Packaging Type | Tube |
| 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 |

Electrical

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



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[70216 Series](#)

Mates With

C-Grid Surface Mount Right-Angle PCB Receptacle [71979](#) . C-Grid Surface Mount Vertical PCB Receptacle [71395](#) . C-Grid Through-hole Vertical PCB Receptacle [71850](#) . C-Grid Shunt Terminal Housing [7859](#)

Solder Process Data

| | |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-free Process Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 235 |

Material Info

| | |
|--------------------|--------------|
| Engineering Number | A-70216-0248 |
|--------------------|--------------|

Reference - Drawing Numbers

| | |
|-------------------------|------------------------------------|
| Packaging Specification | PK-70873-0075-001 |
| Product Specification | PS-70216-001 |
| Sales Drawing | SD-70216-001-001, SD-70216-001-002 |

This document was generated on 08/30/2022

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