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**Part Number:** [10-89-4243](#)  
**Status:** **Active**  
**Overview:** [C-Grid® Products](#)  
**Description:** 2.54mm Pitch C-Grid® Breakaway Header, High Profile, Dual Row, Right Angle, 24 Circuits, 8.13mm Mating Pin Length, 0.38µm Gold (Au) Selective Plating

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-70216 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [70216](#)  
Application Board-to-Board, Signal, Wire-to-Board  
Overview [C-Grid® Products](#)  
Product Name C-Grid®  
UPC 800753973480

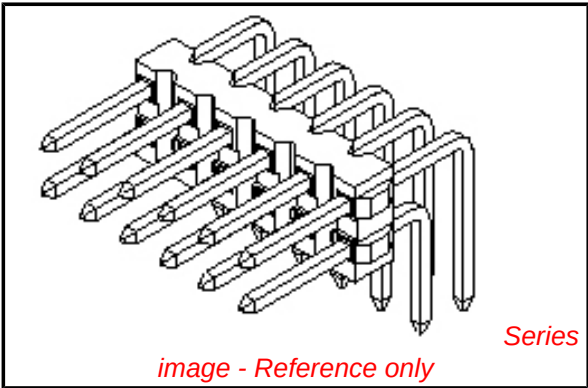
**Physical**

Breakaway Yes  
Circuits (Loaded) 24  
Circuits (maximum) 24  
Color - Resin Black  
Durability (mating cycles max) 50  
Flammability 94V-0  
Glow-Wire Compliant No  
Lock to Mating Part None  
Material - Metal Brass, Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin Polyester  
Net Weight 2.170/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°C to +105°C  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3A  
Voltage - Maximum 250V

**Solder Process Data**



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**  
[70216Series](#)

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

**Material Info**

|                 |            |
|-----------------|------------|
| Old Part Number | 70216-0284 |
|-----------------|------------|

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-70216     |
| Sales Drawing         | SD-70216-001 |

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