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**Part Number:** [10-89-7123](#)  
**Status:** **Active**  
**Overview:** [C-Grid® Products](#)  
**Description:** 2.54mm Pitch C-Grid® Breakaway Header, Dual Row, Vertical, High Temperature, 12 Circuits, 0.76µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.79mm PC Tail

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)

[Product Specification PS-70280 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

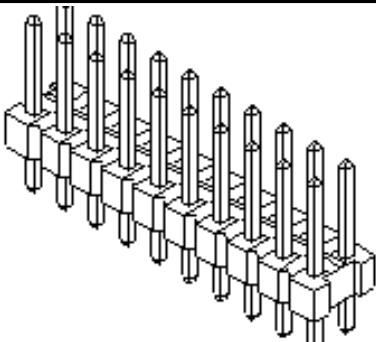
CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [70280](#)  
Application Board-to-Board, Signal, Wire-to-Board  
Overview [C-Grid® Products](#)  
Product Name C-Grid®  
UPC 822350661621

**Physical**

Breakaway Yes  
Circuits (Loaded) 12  
Circuits (maximum) 12  
Color - Resin Black  
Durability (mating cycles max) 50  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part None  
Material - Metal Copper Alloy  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 0.824/g  
Number of Rows 2  
Orientation Vertical  
PC Tail Length 2.79mm  
PCB Locator No  
PCB Retention None  
PCB Thickness - Recommended 1.60mm  
Packaging Type Bag  
Pitch - Mating Interface 2.54mm  
Plating min - Mating 0.813µm  
Plating min - Termination 2.032µm  
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



Series

image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**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**  
[70280Series](#)

**Electrical**

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

**Solder Process Data**

|                                                |                              |
|------------------------------------------------|------------------------------|
| Duration at Max. Process Temperature (seconds) | 40                           |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                            |
| Process Temperature max. C                     | 260                          |

**Material Info**

|                 |              |
|-----------------|--------------|
| Old Part Number | A-70280-0206 |
|-----------------|--------------|

**Reference - Drawing Numbers**

|                       |                     |
|-----------------------|---------------------|
| Product Specification | PS-70280            |
| Sales Drawing         | SDA-70280-0001-4000 |

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