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**Part Number:** [10-89-7803](#)  
**Status:** **Active**  
**Overview:** [C-Grid® Products](#)  
**Description:** 2.54mm Pitch C-Grid® Breakaway Header, Dual Row, Vertical, High Temperature, 80 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 800755022247

**Physical**

Breakaway Yes  
Circuits (Loaded) 80  
Circuits (maximum) 80  
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  
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

**Electrical**

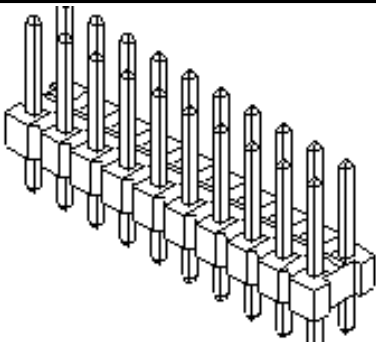


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Series

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
Not Reviewed  
**Low-Halogen Status**  
**Not Reviewed**

**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](#)

|                                    |                              |
|------------------------------------|------------------------------|
| Current - Maximum per Contact      | 3A                           |
| Voltage - Maximum                  | 250V                         |
| <b>Solder Process Data</b>         |                              |
| Lead-free Process Capability       | SMC & Wave Capable (TH only) |
| Process Temperature max. C         | 260                          |
| <b>Material Info</b>               |                              |
| Old Part Number                    | 70280-0240                   |
| <b>Reference - Drawing Numbers</b> |                              |
| Product Specification              | PS-70280                     |
| Sales Drawing                      | SDA-70280-0001-4000          |

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