

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0010977046](#)  
**Status:** **Active**  
**Overview:** C-Grid® Products  
**Description:** 2.54mm Pitch C-Grid® Breakaway Header, Dual Row, Vertical, High Temperature, 4 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.79mm PC Tail

**Documents:**

[3D Model](#) [Product Specification PS-70280-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [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 822350169417

**Physical**

Breakaway Yes  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 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 0.271/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 0.381µm  
 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**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Not Reviewed  
 ELV Not Relevant  
 RoHS Phthalates Not Reviewed

**Search Parts in this Series**

[70280 Series](#)

Current - Maximum per Contact	3.0A
Voltage - Maximum	250V
<b>Solder Process Data</b>	
Lead-free Process Capability	SMC&WAVE
Process Temperature max. C	260
<b>Material Info</b>	
Engineering Number	A-70280-0162
<b>Reference - Drawing Numbers</b>	
Product Specification	PS-70280-001
Sales Drawing	SDA-70280-0001-4000

This document was generated on 08/03/2017

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**