

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [10-89-7420](#)
Status: **Active**
Overview: C-Grid® Products
Description: 2.54mm Pitch C-Grid® Breakaway Header, Dual Row, Vertical, High Temperature, 42 Circuits, 0.76µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail

Documents:

[3D Model](#) [Product Specification PS-70280 \(PDF\)](#)
[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 822348125791

Physical

Breakaway Yes
 Circuits (Loaded) 42
 Circuits (maximum) 42
 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 2.410/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 0.762µm
 Plating min - Termination 1.905µm
 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



image - Reference only

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
 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

Lead-free Process Capability

SMC & Wave Capable (TH only)

Process Temperature max. C

260

Material Info**Reference - Drawing Numbers**

Product Specification

PS-70280

Sales Drawing

SDA-70280-0001-4000

This document was generated on 02/18/2013

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION