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Part Number: [70287-1070](#)
Status: **Active**
Overview: C-Grid® Products
Description: 2.54mm Pitch C-Grid® Header, Breakaway, Dual Row, Vertical, with Retention Pin, 46 Circuits, 8.13mm Mating Pin Length, Tin (Sn) Plating

Documents:

[3D Model](#) [Product Specification PS-70280 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

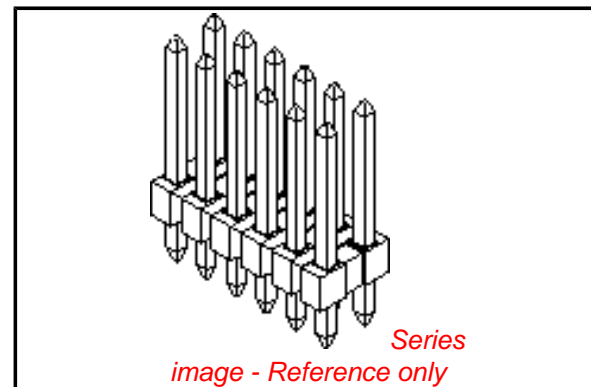
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [70287](#)
 Application Board-to-Board, Signal, Wire-to-Board
 Overview [C-Grid® Products](#)
 Product Name C-Grid®

Physical

Breakaway Yes
 Circuits (Loaded) 46
 Circuits (maximum) 46
 Color - Resin Black
 Durability (mating cycles max) 25
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part No
 Keying to Mating Part N/A
 Lock to Mating Part None
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 3.18mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.57mm
 Packaging Type Bag
 Pitch - Mating Interface 2.54mm
 Pitch - Termination 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
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -40°C to +120°C
 Termination Interface: Style Through Hole



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

[70287Series](#)

Mates With

7859 Shunt, C-Grid Receptacles, SL™ Crimp, FFC and IDT Housing

Electrical

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

Solder Process Data

| | |
|--|------------------------|
| 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 | 245 |

Material Info

| | |
|-----|--------------|
| UPC | 822350866941 |
|-----|--------------|

Reference - Drawing Numbers

| | |
|-----------------------|--------------|
| Product Specification | PS-70280 |
| Sales Drawing | SD-70287-003 |

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