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Part Number: [0010977186](#)
Status: **Active**
Overview: C-Grid Connector Products
Description: 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 18 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) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Drawing (PDF) | |

Agency Certification

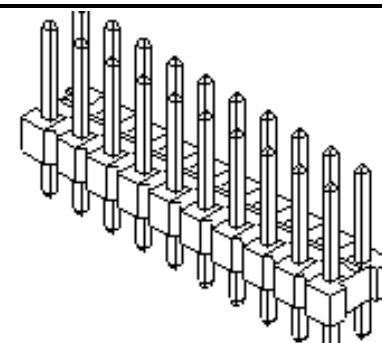
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 70280 |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Overview | C-Grid Connector Products |
| Product Name | C-Grid |
| UPC | 822350565356 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | Yes |
| Circuits (Loaded) | 18 |
| Circuits (maximum) | 18 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | 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 | 1.260/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° to +105°C |
| Termination Interface: Style | Through Hole |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[70280 Series](#)

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum | 250V |

Solder Process Data

| | |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-free Process Capability | SMC&WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |

Material Info

| | |
|--------------------|--------------|
| Engineering Number | A-70280-0169 |
|--------------------|--------------|

Reference - Drawing Numbers

| | |
|-----------------------|----------------------|
| Product Specification | PS-70280-001 |
| Sales Drawing | SDA-70280-0001-4000- |

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