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Part Number:

0010897720

Status:

Active

Overview:

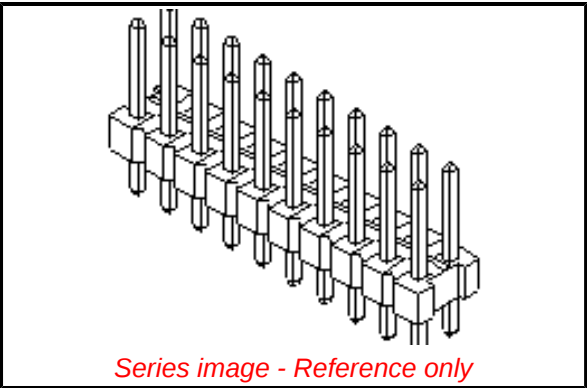
C-Grid® Products

Description:

2.54mm Pitch C-Grid® Breakaway Header, Dual Row, Vertical, High Temperature, 72 Circuits, 0.76µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Documents:                    |                                                          |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-70280-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

|                                |                                       |
|--------------------------------|---------------------------------------|
| 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                            | 822348127214                          |
| Physical                       |                                       |
| Breakaway                      | Yes                                   |
| Circuits (Loaded)              | 72                                    |
| Circuits (maximum)             | 72                                    |
| 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                     | 4.857/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                          |
| Electrical                     |                                       |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/21/2016 (20 June 2016)

Halogen-Free

Status

Low-Halogen

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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

70280 Series

|                                                |                     |
|------------------------------------------------|---------------------|
| Current - Maximum per Contact                  | 3.0A                |
| Voltage - Maximum                              | 250V                |
| <b>Solder Process Data</b>                     |                     |
| Duration at Max. Process Temperature (seconds) | 030                 |
| Lead-freeProcess Capability                    | SMC&WAVE            |
| Max. Cycles at Max. Process Temperature        | 003                 |
| Process Temperature max. C                     | 260                 |
| <b>Material Info</b>                           |                     |
| Engineering Number                             | A-70280-0116        |
| <b>Reference - Drawing Numbers</b>             |                     |
| Product Specification                          | PS-70280-001        |
| Sales Drawing                                  | SDA-70280-0001-4000 |

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