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Part Number: [0702871003](#)
Status: **Active**
Overview: C-Grid® Products
Description: 2.54mm Pitch C-Grid® Header, Breakaway, Dual Row, Vertical, with Retention Pin, 10 Circuits, 6.10mm Mating Pin Length, Tin (Sn) Plating

Documents:

[3D Model](#) [Product Specification TS-70541-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-70280-001 \(PDF\)](#)

Agency Certification

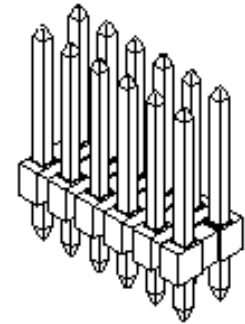
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [70287](#)
 Application Board-to-Board, Signal, Wire-to-Board
 Overview [C-Grid® Products](#)
 Product Name C-Grid®
 UPC 822350865562

Physical

Breakaway Yes
 Circuits (Loaded) 10
 Circuits (maximum) 10
 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 Tin
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 0.628/g
 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Low-Halogen

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

Email 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

[70287](#) Series

Mates With

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

Termination Interface: Style Through Hole

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 005
Lead-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 245

Material Info

Reference - Drawing Numbers

Product Specification PS-70280-001, TS-70541-001-001
Sales Drawing SD-70287-004, SD-70287-004-002

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