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**Part Number:** **0702871238**  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** 2.54mm Pitch C-Grid Header, Breakaway, Dual Row, Vertical, with Retention Pin, 88 Circuits, 6.10mm Mating Pin Length, 0.76µm Gold (Au) Selective Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification TS-70541-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-70873-0353-001 (PDF)</a>
<a href="#">Product Specification PS-70280-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

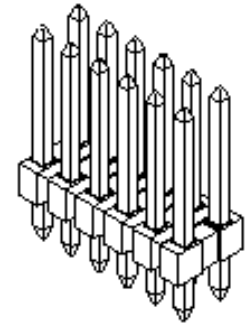
Product Family	PCB Headers
Series	70287
Application	Board-to-Board, Signal, Wire-to-Board
Overview	C-Grid Connector Products
Product Name	C-Grid
UPC	822350867238

**Physical**

Breakaway	Yes
Circuits (Loaded)	88
Circuits (maximum)	88
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Glow-Wire Capable	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
Net Weight	5.673/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	0.813µm
Plating min - Termination	2.032µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +120°C
Termination Interface: Style	Through Hole

**Electrical**

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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**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**

[70287 Series](#)

**Mates With**

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

**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	260

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-70873-0353-001
Product Specification	PS-70280-001, TS-70541-001-001
Sales Drawing	SD-70287-004, SD-70287-004-002

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