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**Part Number:** [0010897442](#)  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 44 Circuits, 0.38µm 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="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-70873-0353-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

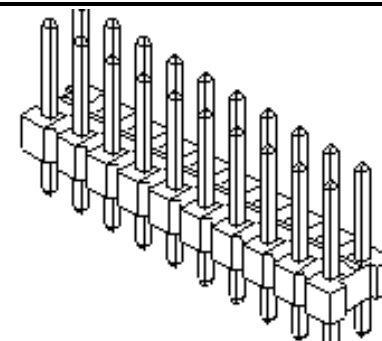
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">70280</a>
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Overview	<a href="#">C-Grid Connector Products</a>
Product Name	C-Grid
Taxonomy	PCB Headers and Receptacles
UPC	800755022001

**Physical**

Breakaway	Yes
Circuits (Loaded)	44
Circuits (maximum)	44
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	3.935/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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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

**Mates With**

C-Grid Surface Mount Right-Angle PCB Receptacle [71979](#) . C-Grid Surface Mount Vertical PCB Receptacle [71395](#) . C-Grid Through-hole Vertical PCB Receptacle [71850](#) . C-Grid Shunt Terminal Housing [7859](#)

Termination Interface: Style	Through Hole
<b>Electrical</b>	
Current - Maximum per Contact	3.0A
Voltage - Maximum	250V
<b>Solder Process Data</b>	
Lead-freeProcess Capability	SMC&WAVE
Process Temperature max. C	260
<b>Material Info</b>	
Engineering Number	A-70280-0062
<b>Reference - Drawing Numbers</b>	
Packaging Specification	PK-70873-0353-001
Product Specification	PS-70280-001
Sales Drawing	SDA-70280-0001-4000-001

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