

**Part Number :** [702800458](#)

**Product Description :** C-Grid Breakaway PCB Header, 2.54mm Pitch, Through Hole, Dual Row, Vertical, High Temperature, 100 Circuits, 0.38µm Gold (Au) Plating, 2.72mm PC Tail Length

**Series Number :** 70280

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** A-70280-0458

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## Documents and Resources

### Drawings

[702800458\\_sd.pdf](#)

[PK-70873-0353-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


### Specifications

[PS-70280-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	70280
Description	C-Grid Breakaway PCB Header, 2.54mm Pitch, Through Hole, Dual Row, Vertical, High Temperature, 100 Circuits, 0.38µm Gold (Au) Plating, 2.72mm PC Tail Length
Application	Board-to-Board, Wire-to-Board
Component Type	PCB Header
Product Name	C-Grid
UPC	822348773848

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

## Physical

Breakaway	Yes
Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Mounting Style	Through Hole
Net Weight	5.977/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.72mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	1.900µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	Unshrouded
Stackable	Yes
Temperature Range - Operating	-40° to +120°C

Termination Interface Style	Through Hole
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### Solder Process Data

Lead-Free Process Capability	SMC&WAVE
Max-Temp	260

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
C-Grid Right-Angle, Dual Row, Surface Mount PCB Receptacles	<u>71979</u>
C-Grid Vertical, Dual Row, High Profile, Surface Mount PCB Connectors	<u>71395</u>
C-Grid Vertical, Dual Row, High Profile, Through Hole PCB Receptacles	<u>71850</u>

#### Use with Part(s)

Description	Part Number
2.54mm Pitch C-Grid Shunt Terminal Housings	<u>7859</u>

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