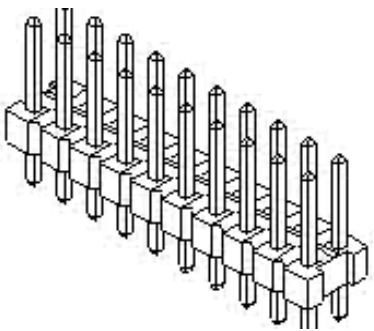




Part Number : [10897801](#)
Product Description : 2.54mm Pitch C-Grid
Breakaway Header, Dual Row, Vertical, High
Temperature, 80 Circuits, Tin (Sn) Plating, 2.72mm PC
Tail Length
Series Number : 70280
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : A-70280-0040

Documents and Resources

Drawings

[010897801_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](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	70280
Description	2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 80 Circuits, Tin (Sn) Plating, 2.72mm PC Tail Length
Application	Board-to-Board, Wire-to-Board
Component Type	PCB Header
Product Name	C-Grid
UPC	800753965591

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	25
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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Mounting Style	Through Hole
Net Weight	4.671/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.79mm
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	Unshrouded
Stackable	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	245

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

This document was generated on Jun 06, 2026