

Part Number: 10897181

Product Description: 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 18 Circuits, Tin (Sn) Plating,

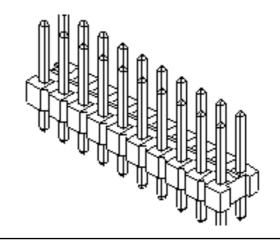
2.72mm PC Tail Length Series Number: 70280

**Status:** Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: A-70280-0009



#### **Documents & Resources**

#### **Drawings**

<u>010897181\_sd.pdf</u> PK-70873-0353-001.pdf

3D Models and Design Files

010897181\_stp.zip

Specifications

PS-70280-001.pdf

# **Product Environment Compliance**

### Compliance

GADSL/IMDS	Compliant with Exemption 33; 44
China RoHS	•
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

#### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

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

### EU RoHS Certificate of Compliance

### **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, 18 Circuits, Tin (Sn) Plating, 2.72mm PC Tail Length
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	C-Grid
UPC	800753977679

## Agency

CSA	LR19980
UL	E29179

#### **Electrical**

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

# Physical

Breakaway	Yes
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	25
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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.412/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	2.79mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating 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
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 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	71850
2.54mm Pitch C-Grid Shunt Terminal Housings	7859

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