# molex

Part Number: 10897642

Product Description: 2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 64 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating,

2.72mm PC Tail

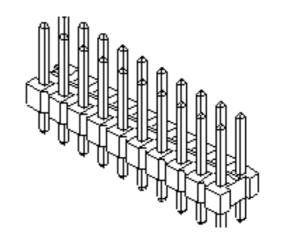
Series Number: 70280

**Status:** Active

**Product Category: PCB Headers and** 

Receptacles

**Engineering Number:** A-70280-0072



### **Documents & Resources**

#### **Drawings**

<u>010897642\_sd.pdf</u> PK-70873-0353-001.pdf

## 3D Models and Design Files

010897642\_stp.zip

## **Specifications**

PS-70280-001.pdf

## **Product Environment Compliance**

#### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	<b>©</b>
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, 64 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	C-Grid
UPC	800755022124

# Agency

CSA	LR19980
UL	E29179

## **Electrical**

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

# Physical

Breakaway	Yes
Circuits (Loaded)	64
Circuits (maximum)	64
Color - Resin	Black
Durability (mating cycles max)	50

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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	4.537/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	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
Termination Interface Style	Through Hole
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## **Solder Process Data**

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

# 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	71850
2.54mm Pitch C-Grid Shunt Terminal Housings	7859

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