

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0010897120

Status:

Active

Overview:

C-Grid Connector Products

Description:

2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 12 Circuits, 0.76µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail

Documents:

Drawing (PDF)

3D Model (PDF)

3D Model

Product Specification PS-70280-001 (PDF)

Packaging Specification PK-70873-0353-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

70280

Application

Board-to-Board, Signal, Wire-to-Board

Component Type

PCB Header

Overview

C-Grid Connector Products

Product Name

C-Grid

Taxonomy

PCB Headers and Receptacles

UPC

800756493947

Physical

Breakaway

Yes

Circuits (Loaded)

12

Circuits (maximum)

12

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

0.930/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

0.813µm

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

China RoHS

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

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
Electrical	
Current - Maximum per Contact	3.0A
Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	030
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260
Material Info	
Engineering Number	A-70280-0086
Reference - Drawing Numbers	
Packaging Specification	PK-70873-0353-001
Product Specification	PS-70280-001
Sales Drawing	SDA-70280-0001-4000-001

This document was generated on 03/20/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION