

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0702800458

Status:

Active

Overview:

C-Grid Connector Products

Description:

2.54mm Pitch C-Grid Breakaway Header, Dual Row, Vertical, High Temperature, 100 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating, 2.72mm PC Tail

Documents:

3D Model

3D Model (PDF)

Drawing (PDF)

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

Overview

C-Grid Connector Products

Product Name

C-Grid

Taxonomy

PCB Headers and Receptacles

UPC

822348773848

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

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

5.977/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

Pitch - Termination Interface

2.54mm

Plating min - Mating

0.381µm

Plating min - Termination

2.032µm

Polarized to Mating Part

No

Shrouded

No

Stackable

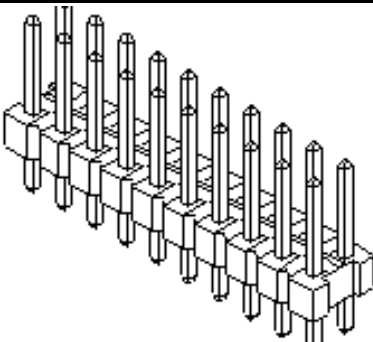
Yes

Temperature Range - Operating

-40° to +105°C

Termination Interface: Style

Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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](#)

Electrical

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

Solder Process Data

Lead-freeProcess Capability	SMC&WAVE
Process Temperature max. C	260

Material Info

Engineering Number	A-70280-0458
--------------------	--------------

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 08/31/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION