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Part Number:

0768290006

Status:

Active

Overview:

Mega-Fit Power Connectors

Description:

Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 6 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black

Documents:

- Drawing (PDF)

3D Model (PDF)

3D Model

Product Specification 1720631000-PS-000 (PDF)

Product Specification PS-76823-100-001 (PDF)

Application Specification 768232000-AS-000 (PDF)

Application Specification AS-76823-100-001 (PDF)
- Packaging Specification PK-31301-976-000 (PDF)

Test Summary TS-76823-100-001 (PDF)

Test Summary TS-76829-001-001 (PDF)

Datasheet (PDF)

Symbol Footprint Data SYM-76829-0006-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

76829

Application

Power, Wire-to-Board

Overview

Mega-Fit Power Connectors

Product Name

Mega-Fit

UPC

887191454207

Physical

Breakaway

No

Circuits (Loaded)

6

Circuits (maximum)

6

Color - Resin

Black

Durability (mating cycles max)

25

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Capable

Yes

Keying to Mating Part

Yes

Lock to Mating Part

Yes

Mated Height

16.78mm

Material - Metal

High Conductivity Copper

Material - Plating Mating

Matte Tin

Material - Plating Termination

Matte Tin

Material - Resin

Liquid Crystal Polymer

Net Weight

3.553/g

Number of Rows

2

Orientation

Vertical

PC Tail Length

3.73mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness - Recommended

1.58mm, 2.36mm

Packaging Type

Tray

Pitch - Mating Interface

5.70mm

Pitch - Termination Interface

5.70mm

Plating min - Mating

1.524µm

Plating min - Termination

1.524µm

Polarized to Mating Part

Yes

Polarized to PCB

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

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

China RoHS

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

76829 Series

Mates With

Mega-Fit Receptacle Housings [171692](#) ,
[170001](#) . Mega-Fit Discrete Cable Assembly
[45136](#)

Shrouded	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Unmated Height	14.80mm

Electrical

Current - Maximum per Contact	23.5A
Voltage - Maximum	600V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	030
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Application Specification	768232000-AS-000, AS-76823-100-001
Packaging Specification	PK-31301-976-000
Product Specification	1720631000-PS-000, PS-76823-100-001
Sales Drawing	SD-76829-0100-000
Symbol/Footprint Data	SYM-76829-0006-001
Test Summary	TS-76823-100-001, TS-76829-001-001

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