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Part Number: [0768290002](#)
Status: **Active**
Overview: [Mega-Fit Power Connectors](#)
Description: Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 2 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black

Documents:

3D Model	Packaging Specification PK-31301-976-000 (PDF)
3D Model (PDF)	Test Summary TS-76823-100-001 (PDF)
Drawing (PDF)	Test Summary TS-76829-001-001 (PDF)
Product Specification 1720631000-PS-000 (PDF)	Datasheet (PDF)
Product Specification PS-76823-100-001 (PDF)	Symbol Footprint Data SYM-76829-0002-001 (PDF)
Application Specification 768232000-AS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-76823-100-001 (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	887191454184

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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	1.808/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

ELV

RoHS Phthalates

China RoHS

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-free Process 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-76829-0002-001
Test Summary	TS-76823-100-001, TS-76829-001-001

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