

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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)	Packaging Specification PK-31301-976-000 (PDF)
3D Model (PDF)	Test Summary TS-76823-100-001 (PDF)
3D Model	Test Summary TS-76829-001-001 (PDF)
Product Specification 1720631000-PS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-76823-100-001 (PDF)	Product Literature (PDF)
Application Specification AS-76823-100-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	76829
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	23.0
Overview	Mega-Fit Power Connectors
PITCH-MATING-NUMERIC	5.70
Product Literature Order No	987650-5401
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

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 Housing [171692](#) , [170001](#)

Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
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	23.0A
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	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
Test Summary	TS-76823-100-001, TS-76829-001-001

This document was generated on 11/18/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION