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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:

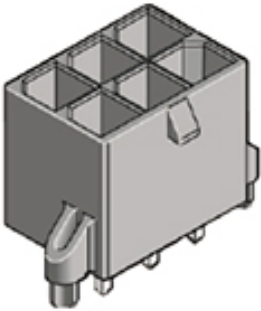|	
3D Model	Application Specification AS-76823-100-001 (PDF)
Drawing (PDF)	Packaging Specification PK-31301-976-000 (PDF)
Product Specification PS-76823-100-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification TS-76823-100-001 (PDF)	Product Literature (PDF)
Product Specification TS-76829-001-001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

Series image - Reference only

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	76829
Application	Power, Wire-to-Board
Overview	Mega-Fit Power Connectors
Product Literature Order No	987650-5401
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
Shrouded	Yes

EU ELV
Not Relevant

EU RoHS   **China RoHS**
Compliant

REACH SVHC
Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free
Status
Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
76829 Series

Mates With
Mega-Fit Receptacle Housing 171692 , 170001

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C 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-freeProcess 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	PS-76823-100-001, TS-76823-100-001, TS-76829-001-001
Sales Drawing	SD-76829-0100-000
Symbol/Footprint Data	SYM-76829-0002

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