



**Part Number :** [768290106](#)

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

**Series Number :** 76829

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[Drawing 768290106\\_sd.pdf](#)

[Packaging Design Drawing 768291100-000.pdf](#)

### 3D Models and Design Files

[3D Model 768290106\\_stp.zip](#)

### Specifications

[Application Specification 768232000-AS-000.pdf](#)

[Application Specification AS-76823-100-001.pdf](#)

[Product Specification 1720631000-PS-000.pdf](#)

[Product Specification PS-76823-100-001.pdf](#)


[Test Summary 1720631000-TS-000.pdf](#)

[Test Summary TS-76823-100-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS

- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	76829
Description	Mega-Fit Slim Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 6 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Mega-Fit Power Connectors
Product Name	Mega-Fit
UPC	889056895569

### Agency

UL	E29179
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### Electrical

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

### 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	3.447/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.73mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.58mm
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
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole
Unmated Height	14.80mm

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
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Mega-Fit Dual Row Receptacle Housings	<u>170001</u>
Mega-Fit Dual Row Receptacle Housings	<u>171692</u>
Mega-Fit-to-Mega-Fit Off-the-Shelf (OTS) Cable Assemblies	<u>45136</u>

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