



**Part Number :** [768290010](#)  
**Product Description :** Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 10 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black  
**Series Number :** 76829  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources


**Drawings**  
[768290010\\_sd.pdf](#)  
[PK-31301-976-000.pdf](#)

**3D Models and Design Files**  
[768290010\\_stp.zip](#)  
[SYM-76829-0010-001.zip](#)

**Specifications**  
[1722990000-AS-000.pdf](#)  
[768232000-AS-000.pdf](#)  
[AS-76823-100-001.pdf](#)  
[1720631000-PS-000.pdf](#)  
[PS-76823-100-001.pdf](#)  
[1720631000-TS-000.pdf](#)  
[TS-76823-100-001.pdf](#)  
[TS-76829-001-001.pdf](#)

## 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(2024)6225-DC (07 Nov 2024)
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 Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 10 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Mega-Fit
UPC	887191454221

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

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

#### Physical

Breakaway	No
Circuits (Loaded)	10

Circuits (maximum)	10
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	5.656/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, 2.36mm
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

## Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE

Max-Cycle	1
Max-Temp	260

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
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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