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Part Number: [0768290008](#)
Status: **Active**
Overview: [Mega-Fit Power Connectors](#)
Description: Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 8 Circuits, 1.52µm Tin (Sn) Plating, Glow-Wire Capable, Black

Documents:

| | |
|------------------------------------------------------------------|----------------------------------------------------------------|
| 3D Model (PDF) | Packaging Specification PK-31301-976-000 (PDF) |
| 3D Model | Test Summary TS-76823-100-001 (PDF) |
| Drawing (PDF) | Test Summary TS-76829-001-001 (PDF) |
| Product Specification 1720631000-PS-000 (PDF) | Symbol Footprint Data SYM-76829-0008 (PDF) |
| Product Specification PS-76823-100-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification 768232000-AS-000 (PDF) | Product Literature (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 | 887191454214 |

Physical

| | |
|--------------------------------|--------------------------|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| 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 | 4.599/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(2020)4578-DC (25
June 2020)

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 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-76829-0008 |
| Test Summary | TS-76823-100-001, TS-76829-001-001 |

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