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Part Number: [1720651002](#)
Status: **Active**
Overview: Mega-Fit Power Connectors
Description: Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 2 Circuits, 0.76µm Gold (Au) 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) | |

Agency Certification

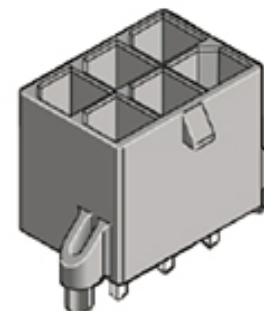
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|-----------------------------|---|
| Product Family | PCB Headers |
| Series | 172065 |
| Application | Power, Wire-to-Board |
| Overview | Mega-Fit Power Connectors |
| Product Literature Order No | 987650-5401 |
| Product Name | Mega-Fit® |
| UPC | 887191558981 |

Physical

| | |
|--------------------------------|--------------------------|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Mated Height | 16.78mm |
| Material - Metal | High Conductivity Copper |
| Material - Plating Mating | Gold |
| 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 | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Yes |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
2017)

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

[172065](#) Series

Mates With

Mega-Fit® Receptacle Housing [171692](#) ,
[170001](#)

| | |
|--|---|
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +120°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 | PS-76823-100-001, TS-76823-100-001, TS-76829-001-001 |
| Sales Drawing | SD-76829-0100-000 |
| Symbol/Footprint Data | SYM-172065-1002 |

This document was generated on 08/02/2017

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