

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1720651008

Status:

Active

Overview:

Mega-Fit Power Connectors

Description:

Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Glow-Wire Capable, Black

|                                                                  |                                                                 |
|------------------------------------------------------------------|-----------------------------------------------------------------|
| Documents:                                                       |                                                                 |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-31301-976-000 (PDF)</a>  |
| <a href="#">3D Model</a>                                         | <a href="#">Test Summary 1720631000-TS-000 (PDF)</a>            |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Test Summary TS-76823-100-001 (PDF)</a>             |
| <a href="#">Product Specification 1720631000-PS-000 (PDF)</a>    | <a href="#">Test Summary TS-76829-001-001 (PDF)</a>             |
| <a href="#">Product Specification PS-76823-100-001 (PDF)</a>     | <a href="#">Datasheet (PDF)</a>                                 |
| <a href="#">Application Specification 768232000-AS-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-172065-1008-001 (PDF)</a> |
| <a href="#">Application Specification AS-76823-100-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

|                      |                             |
|----------------------|-----------------------------|
| Agency Certification |                             |
| CSA                  | LR19980                     |
| UL                   | E29179                      |
| General              |                             |
| Product Family       | PCB Headers                 |
| Series               | 172065                      |
| Application          | Power, Wire-to-Board        |
| Component Type       | PCB Header                  |
| Overview             | Mega-Fit Power Connectors   |
| Product Name         | Mega-Fit                    |
| Taxonomy             | PCB Headers and Receptacles |
| UPC                  | 887191559018                |

|                                |                          |
|--------------------------------|--------------------------|
| Physical                       |                          |
| Breakaway                      | No                       |
| Circuits (Loaded)              | 8                        |
| Circuits (maximum)             | 8                        |
| Color - Resin                  | Black                    |
| Durability (mating cycles max) | 200                      |
| 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      | Gold                     |
| Material - Plating Termination | Matte Tin                |
| Material - Resin               | Liquid Crystal Polymer   |
| Net Weight                     | 4.605/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                  |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| 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 . Mega-Fit Overmolded Cable Assembly 245136

|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Polarized to Mating Part                       | Yes                                                      |
| Polarized to PCB                               | Yes                                                      |
| Shrouded                                       | Yes                                                      |
| Surface Mount Compatible (SMC)                 | Yes                                                      |
| Temperature Range - Operating                  | -40° to +120°C                                           |
| Termination Interface: Style                   | Through Hole                                             |
| Unmated Height                                 | 14.80mm                                                  |
| <b>Electrical</b>                              |                                                          |
| Current - Maximum per Contact                  | 23.5A                                                    |
| Voltage - Maximum                              | 600V AC (RMS)/DC                                         |
| <b>Solder Process Data</b>                     |                                                          |
| Duration at Max. Process Temperature (seconds) | 030                                                      |
| Lead-freeProcess Capability                    | SMC&WAVE                                                 |
| Max. Cycles at Max. Process Temperature        | 001                                                      |
| Process Temperature max. C                     | 260                                                      |
| <b>Material Info</b>                           |                                                          |
| <b>Reference - Drawing Numbers</b>             |                                                          |
| 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-172065-1008-001                                      |
| Test Summary                                   | 1720631000-TS-000, TS-76823-100-001,<br>TS-76829-001-001 |

This document was generated on 01/07/2023

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION