

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

**Part Number:** [1720650010](#)  
**Status:** **Active**  
**Overview:** [Mega-Fit Power Connectors](#)  
**Description:** Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 10 Circuits, 0.38µm Gold (Au) Plating, Glow Wire Capable, Black

**Documents:**

|                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-76823-100-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-31301-976-000 (PDF)</a>   |
| <a href="#">Product Specification PS-76823-100-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification TS-76823-100-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                         |
| <a href="#">Product Specification TS-76829-001-001 (PDF)</a> |                                                                  |

**Agency Certification**

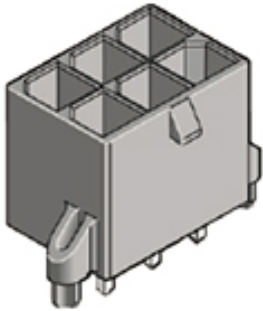
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Product Family              | PCB Headers                               |
| Series                      | <a href="#">172065</a>                    |
| Application                 | Power, Wire-to-Board                      |
| Overview                    | <a href="#">Mega-Fit Power Connectors</a> |
| Product Literature Order No | 987650-5401                               |
| Product Name                | Mega-Fit®                                 |
| UPC                         | 887191453972                              |

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Breakaway                      | No                       |
| Circuits (Loaded)              | 10                       |
| Circuits (maximum)             | 10                       |
| 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                     | 5.656/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           | 0.381µm                  |
| 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](mailto: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                                                 |
| <b>Electrical</b>                              |                                                         |
| Current - Maximum per Contact                  | 23.0A                                                   |
| 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                      | AS-76823-100-001                                        |
| Packaging Specification                        | PK-31301-976-000                                        |
| Product Specification                          | PS-76823-100-001, TS-76823-100-001,<br>TS-76829-001-001 |
| Sales Drawing                                  | SD-76829-0100-000                                       |
| Symbol/Footprint Data                          | SYM-172065-0010                                         |

This document was generated on 08/28/2017

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