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**Part Number:** [1720651012](#)  
**Status:** **Active**  
**Overview:** [Mega-Fit Power Connectors](#)  
**Description:** Mega-Fit Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 12 Circuits, 0.76µm Gold (Au) Plating, Glow-Wire Capable, Black

**Documents:**

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

**Agency Certification**

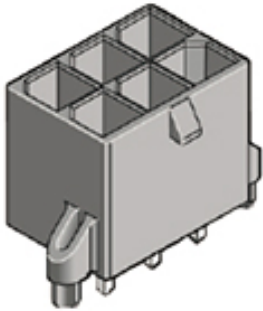
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Product Family              | PCB Headers                               |
| Series                      | <a href="#">172065</a>                    |
| 3D Viewer                   | Yes                                       |
| Application                 | Power, Wire-to-Board                      |
| CURRENT-MAX-NUMERIC         | 23.0                                      |
| Overview                    | <a href="#">Mega-Fit Power Connectors</a> |
| PITCH-MATING-NUMERIC        | 5.70                                      |
| Product Literature Order No | 987650-5401                               |
| Product Name                | Mega-Fit                                  |
| UPC                         | 887191559032                              |

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Breakaway                      | No                       |
| Circuits (Loaded)              | 12                       |
| Circuits (maximum)             | 12                       |
| 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                     | 6.728/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**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| 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](#)

|                                |                |
|--------------------------------|----------------|
| 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        |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 23.0A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

**Solder Process Data**

|                                                |          |
|------------------------------------------------|----------|
| Duration at Max. Process Temperature (seconds) | 030      |
| Lead-freeProcess 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     | 1720631000-PS-000, PS-76823-100-001 |
| Sales Drawing             | SD-76829-0100-000                   |
| Symbol/Footprint Data     | SYM-172065-1012                     |
| Test Summary              | TS-76823-100-001, TS-76829-001-001  |

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