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**Part Number:** [1720650208](#)  
**Status:** **Active**  
**Overview:** [Mega-Fit Power Connectors](#)  
**Description:** Mega-Fit Slim Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Glow Wire Capable, Black

**Documents:**

|  |   |
|--|---|
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification 768291100-000 (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="#">Application Specification AS-76823-100-001 (PDF)</a> |   |



**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                         | 889056897211                              |

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Breakaway                      | No                       |
| Circuits (Loaded)              | 8                        |
| Circuits (maximum)             | 8                        |
| Color - Resin                  | Black                    |
| Durability (mating cycles max) | 200                      |
| First Mate / Last Break        | No                       |
| 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                     | 4.498/g                  |
| Number of Rows                 | 2                        |
| Orientation                    | Vertical                 |
| PC Tail Length                 | 3.73mm                   |
| PCB Locator                    | Yes                      |
| PCB Retention                  | Yes                      |
| PCB Thickness - Recommended    | 1.58mm                   |
| 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                      |
| Surface Mount Compatible (SMC) | Yes                      |
| Temperature Range - Operating  | -40°C to +120°C          |
| Termination Interface: Style   | Through Hole             |
| Unmated Height                 | 14.80mm                  |

**Electrical**

**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](#)

Current - Maximum per Contact  
Voltage - Maximum

23.0A  
600V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification

AS-76823-100-001

Packaging Specification

768291100-000

Product Specification

PS-76823-100-001, TS-76823-100-001

Sales Drawing

768290002-000

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