



**Part Number :** [1720650208](#)

**Product Description :** Mega-Fit Slim Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black

**Series Number :** 172065

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[1720650208\\_sd.pdf](#)

[768291100-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[768232000-AS-000.pdf](#)

[AS-76823-100-001.pdf](#)

[1720631000-PS-000.pdf](#)

[PS-76823-100-001.pdf](#)

[1720631000-TS-000.pdf](#)

[TS-76823-100-001.pdf](#)

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## Product Environment Compliance

### Compliance

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS | Compliant with Exemption 33; 44;<br>34                                                                       |
| China RoHS | <br>per SJ/T 11365-2006 |
| EU ELV     | Not Relevant                                                                                                 |

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                     |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025) |
| EU RoHS            | Compliant per EU 2015/863                          |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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**Part Details**

**General**

|                |                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                              |
| Category       | PCB Headers and Receptacles                                                                                                         |
| Series         | 172065                                                                                                                              |
| Description    | Mega-Fit Slim Vertical Header, Through Hole, 5.70mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black |
| Application    | Power, Wire-to-Board                                                                                                                |
| Component Type | PCB Header                                                                                                                          |
| Product Name   | Mega-Fit                                                                                                                            |
| UPC            | 889056897211                                                                                                                        |

**Agency**

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 23.5A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

## 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                     | 4.498/g                  |
| Number of Rows                 | 2                        |
| Orientation                    | Vertical                 |
| Packaging Type                 | Tray                     |
| PCB Locator                    | Yes                      |
| PCB Retention                  | Yes                      |
| PCB Thickness - Recommended    | 1.58mm                   |
| PC Tail Length                 | 2.93mm                   |
| 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                      |
| Temperature Range - Operating  | -40° to +120°C           |

|                             |              |
|-----------------------------|--------------|
| Termination Interface Style | Through Hole |
| Unmated Height              | 14.80mm      |

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### Mates With / Use With

#### Mates with Part(s)

| Description                                                          | Part Number   |
|----------------------------------------------------------------------|---------------|
| Mega-Fit Dual Row Receptacle Housings                                | <u>170001</u> |
| Mega-Fit Dual Row Receptacle Housings                                | <u>171692</u> |
| Mega-Fit-to-Mega-Fit Off-the-Shelf (OTS) Overmolded Cable Assemblies | <u>245136</u> |