



**Part Number :** [1720640012](#)

**Product Description :** 5.70mm Pitch, Mega-Fit Right-Angle Header, 12 Circuits, 0.38µm Gold (Au) Plating, UL 94 V-0, Glow-Wire Capable, Tray, Black

**Series Number :** 172064

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[1720640012\\_sd.pdf](#)

[768250001-PK-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[SYM-172064-0012-001.zip](#)

### Specifications

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

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

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

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


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

[TS-76825-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

|            |  |
|------------|--|
| GADSL/IMDS | Not Relevant   |
| 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         | 172064  |
| Description    | 5.70mm Pitch, Mega-Fit Right-Angle Header, 12 Circuits, 0.38µm Gold (Au) Plating, UL 94 V-0, Glow-Wire Capable, Tray, Black |
| Application    | Power, Wire-to-Board  |
| Component Type | PCB Header  |
| Product Name   | Mega-Fit  |
| UPC            | 887191453910  |

**Agency**

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

## Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 23.5A |
| Voltage - Maximum             | 600V  |

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 12                             |
| Circuits (maximum)             | 12                             |
| Color - Resin                  | Black                          |
| 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               | Copper                         |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Matte Tin                      |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 7.883/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tray                           |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.57mm, 2.36mm                 |
| 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 | 14.53mm |
|----------------|---------|

**Solder Process Data**

|                              |          |
|------------------------------|----------|
| Max-Duration                 | 30       |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle                    | 1        |
| Max-Temp                     | 260      |

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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> |