



**Part Number :** [5055780761](#)  
**Product Description :** 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, 0.10µm Gold Plating, Positive Lock, 7 Circuits, Low-Halogen, Black  
**Series Number :** 505578  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles

## Documents & Resources

### Drawings

[5055780761 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5055780761.dxf](#)

### Specifications

[5055700001-A03.pdf](#)

[5055789200-200.pdf](#)

[5055700002-PS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                           |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                              |
| Low-Halogen Status | Low-Halogen per                                                                                           |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)                                                            |
| 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         | 505578                                                                                                                                               |
| Description    | 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, 0.10µm Gold Plating, Positive Lock, 7 Circuits, Low-Halogen, Black |
| Application    | Signal, Wire-to-Board                                                                                                                                |
| Component Type | PCB Header                                                                                                                                           |
| Product Name   | Micro-Lock Plus                                                                                                                                      |
| UPC            | 193264479795                                                                                                                                         |

### Agency

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

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 3.4A             |
| Voltage - Maximum             | 250V AC (RMS)/DC |

### Physical

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 7                     |
| Circuits (maximum)             | 7                     |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Flammability                   | 94V-0                 |
| Glow-Wire Capable              | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | Yes                   |
| Lock to Mating Part            | Yes                   |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Material - Resin               | Polyamide             |
| Net Weight                     | 810.460/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Right Angle           |
| Packaging Type                 | Embossed Tape on Reel |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Pitch - Mating Interface       | 2.00mm                |
| Pitch - Termination Interface  | 2.00mm                |
| Plating min - Mating           | 0.100µm               |
| Plating min - Termination      | 0.100µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Robotic Placement              | Vacuum Pick-Up Area   |
| Shrouded                       | Fully                 |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface Style    | Surface Mount         |

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## Mates With / Use With

**Mates with Part(s)**

| Description                                                     | Part Number   |
|-----------------------------------------------------------------|---------------|
| 2.00mm Pitch, Micro-Lock Plus<br>Single Row Receptacle Housings | <u>505570</u> |

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