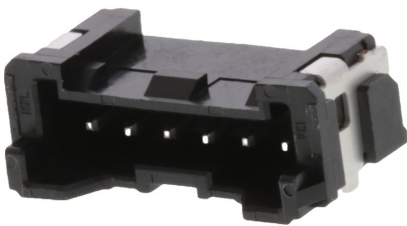




**Part Number :** [5055750671](#)  
**Product Description :** 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, Matte Tin Plating, Positive Lock, 6 Circuits, Low-Halogen, Black  
**Series Number :** 505575  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



Documents & Resources

**Drawings**  
[5055750671\\_sd.pdf](#)

**3D Models and Design Files**  
[5055750671.dxf](#)  
[5055750671.pdf](#)  
[5055750671\\_stp.zip](#)

**Specifications**  
[5055700001-A03.pdf](#)  
[5055759200-200.pdf](#)  
[5055700001-PS-000.pdf](#)  
[5055701001-PS-000.pdf](#)

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                       |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC

- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                          |
| Category       | PCB Headers and Receptacles                                                                                                                     |
| Series         | 505575                                                                                                                                          |
| Description    | 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, Matte Tin Plating, Positive Lock, 6 Circuits, Low-Halogen, Black |
| Application    | Signal, Wire-to-Board                                                                                                                           |
| Component Type | PCB Header                                                                                                                                      |
| Product Name   | Micro-Lock Plus                                                                                                                                 |
| UPC            | 889056579759                                                                                                                                    |

#### Agency

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

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 6     |
| Circuits (maximum)             | 6     |
| 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      | Matte Tin             |
| Material - Plating Termination | Matte Tin             |
| Material - Resin               | Polyamide             |
| Net Weight                     | 720.380/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Vertical              |
| 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           | 1.000µm               |
| Plating min - Termination      | 1.000µm               |
| 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 Single Row Receptacle Housings | <u>505570</u> |

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This document was generated on Mar 01, 2025