

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [5054331871](#)  
**Status:** **Active**  
**Overview:** Micro-Lock Plus Wire-to-Board Connector System  
**Description:** 1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 18 Circuits, Tape and Reel, Black

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                   | <a href="#">Product Specification 5054321000-PS-006 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>                              | <a href="#">Application Specification AS-505432-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                             | <a href="#">Packaging Specification 5054339200-200 (PDF)</a>      |
| <a href="#">Product Specification 5054320000-002 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>              |
| <a href="#">Product Specification 5054320000-005 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                          |

**Agency Certification**

UL E29179

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">505433</a>   |
| Application    | Signal, Wire-to-Board  |
| Overview       | <a href="#">Micro-Lock Plus Wire-to-Board Connector System</a> |
| Product Name   | Micro-Lock Plus  |
| UPC            | 889056421652   |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 18                    |
| Circuits (maximum)             | 18                    |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Glow-Wire Capable              | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | Yes                   |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Tin-Bismuth           |
| Material - Plating Termination | Tin-Bismuth           |
| Material - Resin               | Polyamide             |
| Net Weight                     | 1147.373/mg           |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 1.25mm                |
| Pitch - Termination Interface  | 1.25mm                |
| Plating min - Mating           | 1.000µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Stackable                      | No                    |
| Surface Mount Compatible (SMC) | Yes                   |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface: Style   | Surface Mount         |

**Electrical**

Current - Maximum per Contact 1.5A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[505433](#) Series

**Mates With**

[Micro-Lock Plus Receptacle Housing](#)  
[505432](#)

Voltage - Maximum

50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification

AS-505432-001-001

Packaging Specification

5054339200-200

Product Specification

5054320000-002, 5054320000-005, 5054321000-  
PS-006

Sales Drawing

5054330000-000

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