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**Part Number:** [5054484271](#)

**Status:** **Active**

**Overview:** [Micro-Lock Plus Wire-to-Board Connector System](#)

**Description:** 1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Right-Angle, Surface Mount, Tin-Bismuth Plating, Positive Lock, 42 Circuits, Tape and Reel, Black

**Documents:**

[3D Model \(PDF\)](#)

[Drawing \(PDF\)](#)

[3D Model](#)

[Product Specification 5054320000-002 \(PDF\)](#)

[Product Specification 5054320000-005 \(PDF\)](#)

[Product Specification 5054321000-PS-002 \(PDF\)](#)

[Product Specification 5054321000-PS-006 \(PDF\)](#)

[Application Specification AS-505432-001-001 \(PDF\)](#)

[Packaging Specification 5054489200-200 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Literature \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
Series [505448](#)  
Application Signal, Wire-to-Board  
Overview [Micro-Lock Plus Wire-to-Board Connector System](#)  
Product Name Micro-Lock Plus  
UPC 889056388054

**Physical**

Breakaway No  
Circuits (Loaded) 42  
Circuits (maximum) 42  
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 2703.031/mg  
Number of Rows 2  
Orientation Right Angle  
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**



*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**

[505448 Series](#)

**Mates With**

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

Current - Maximum per Contact  
Voltage - Maximum

1.5A  
50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification

AS-505432-001-001

Packaging Specification

5054489200-200

Product Specification

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

Sales Drawing

5054480000-000

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