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Part Number: [5054331281](#)
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, 12 Circuits, with Pick-and-Place Polyimide Tape, Black

Documents:

3D Model (PDF)	Product Specification 5054321000-PS-006 (PDF)
Drawing (PDF)	Application Specification AS-505432-001-001 (PDF)
3D Model	Packaging Specification 5054339200-200 (PDF)
Product Specification 5054320000-002 (PDF)	Datasheet (PDF)
Product Specification 5054320000-005 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 5054321000-PS-002 (PDF)	

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	505433
Application	Signal, Wire-to-Board
Overview	Micro-Lock Plus Wire-to-Board Connector System
Product Name	Micro-Lock Plus
UPC	889056765282

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	753.910/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
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
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(2021)4569-DC (8
July 2021)

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](#)

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

5054339200-200

Product Specification

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

Sales Drawing

5054330000-000

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