



Part Number : [5055750291](#)

**Product Description :** 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, 0.10µm Gold Plating, Positive Lock, with Pick-and-Place Tape, 2 Circuits, Low-Halogen, Black

Series Number : 505575

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 5055750291\\_sd.pdf](#)

### 3D Models and Design Files

[2D Drawing DXF 5055750291.dxf](#)

[2D Drawing DXF \(PDF\) 5055750291.pdf](#)

[3D Model 5055750291\\_stp.zip](#)

### Specifications

[Application Specification 5055700001-A03.pdf](#)


[Packaging Specification 5055759200-200.pdf](#)

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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, 0.10µm Gold Plating, Positive Lock, with Pick-and-Place Tape, 2 Circuits, Low-Halogen, Black
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Family	Micro-Lock Connector System
Product Name	Micro-Lock Plus
UPC	193264477623

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	3.0A
Voltage - Maximum	250V AC (RMS)/DC

### Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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	422.130/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	0.100µm
Plating min - Termination	0.100µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Vacuum Pick-Up Tape
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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