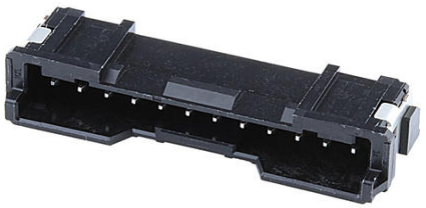
Part Number : 5055781271
Product Description : 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, Matte Tin Plating, Positive Lock, 12 Circuits, Low-Halogen, Black
Series Number : 505578
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

5055781271_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5055781271.dxf

Specifications

5055700001-A03.pdf

5055789200-200.pdf

5055700001-PS-000.pdf

5055701001-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)

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EU RoHS	Compliant per EU 2015/863

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	505578
Description	2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, Matte Tin Plating, Positive Lock, 12 Circuits, Low-Halogen, Black
Application	Wire-to-Board
Component Type	PCB Header
Keyword	Micro-Lock Plus 2.0
Product Name	Micro-Lock Plus
UPC	889056579889

Agency

UL	E29179

Electrical

Current - Maximum per Contact	3.4A

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Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
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	Tin
Material - Resin	Polyamide (PA)
Net Weight	1190.650/mg
Number of Rows	1
Orientation	Right Angle
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	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C

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Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
2.00mm Pitch, Micro-Lock Plus Single Row Receptacle Housings	505570

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