molex

Part Number : 5055751381

Product Description : 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, Matte Tin Plating, Positive Lock, with Pick-and-Place Tape, 13 Circuits, Low-Halogen, Black

Series Number : 505575

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings
Drawing 5055751381_sd.pdf

3D Models and Design Files
2D Drawing DXF 5055751381.dxf
2D Drawing DXF (PDF) 5055751381.pdf
3D Model 5055751381_stp.zip

Specifications
Application Specification 5055700001-A03.pdf
Packaging Specification 5055759200-200.pdf
Product Specification 5055700001-PS-000.pdf
Product Specification 5055701001-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	♻
EU ELV	Not Relevant
Low-Halogen Status	Not Relevant
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 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

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, Matte Tin Plating, Positive Lock, with Pick-and-Place Tape, 13 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	889056574891

Agency

UL	E29179

Electrical

Current - Maximum per Contact	3.4A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	13
Circuits (maximum)	13
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	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Polyamide
Net Weight	1299.170/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	1.000µm
Plating min - Termination	1.000µm
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

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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