molex



Part Number : 559591630
Product Description : 2.00mm Pitch MicroClasp Wire-to-Board Header, Dual Row, Right Angle, 16 Circuits
Series Number : 55959
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

559591630_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

561340000-AS-000.pdf

SPK-55959-001-001.pdf

PS-51353-003-001.pdf

PS-51353-010-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33; 44
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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	55959
Description	2.00mm Pitch MicroClasp Wire-to-Board Header, Dual Row, Right Angle, 16 Circuits
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	MicroClasp
UPC	756054218365

Agency

UL	E29179

Electrical

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

Physical

Breakaway	No

Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural
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	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	2061.700/mg
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.20mm
Pitch - Mating Interface	2.00mm
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
MicroClasp Dual Row Receptacle Housings	51353