molex



Part Number : 511631000
Product Description : Mini-Lock Receptacle Housing, 2.50mm Pitch, Single Row, Positive Lock, 10 Circuits, Natural
Series Number : 51163
Status : Active
Product Category : Connector Housings

Documents and Resources

Drawings

511631000_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

511631000.dxf

Specifications

511639100-EPK-100.pdf

511639200-SPK-200.pdf

511630000-PS-000.pdf

511630002-PS-000.pdf

511631000-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)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	Connector Housings
Series	51163
Description	Mini-Lock Receptacle Housing, 2.50mm Pitch, Single Row, Positive Lock, 10 Circuits, Natural
Application	Wire-to-Board, Wire-to-Wire
Comments	GWT performed on end product as per IEC 60695-2-11
Component Type	Receptacle
Product Name	Mini-Lock
UPC	800753326545

Agency

CSA	LR19980
UL	E29179

Physical

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Circuits (maximum)	10
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-0
Gender	Female
Glow-Wire Capable	Yes
Keying to Mating Part	No
Lock to Mating Part	Yes
Locking Type	Positive Lock
Material - Resin	Polyester
Net Weight	793.500/mg
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Polarized to Mating Part	Yes
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-55° to +105°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Lock Vertical, Single Row, Surface Mount Headers	215931
Mini-Lock Right-Angle, Single Row, Surface Mount Headers	215932
Mini-Lock Vertical Single Row Headers	53375
Mini-Lock Vertical Single Row Headers	53476
Mini-Lock Vertical Single Row Headers	53517
Mini-Lock Right-Angle Single Row	53426

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Headers	

Use with Part(s)

Description	Part Number
Mini-Lock Female Crimp Terminals	50752
Mini-Lock Terminal Position Assurance (TPA) Retainers	51164

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