molex



Part Number : 5040510801
Product Description : 1.50mm Pitch, Pico-Lock Receptacle Crimp Housing, Single Row, Positive Lock, 8 Circuits, Black
Series Number : 504051
Status : Active
Product Category : Connector Housings
Engineering Part Number : NT501-6871

Documents & Resources

Drawings

5040510801_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

5040510801.dxf

Specifications

AS-504051-001-001.pdf

SPK-504051-001-001.pdf

5040510000-PS-000.pdf

5040511001-PS-000.pdf

PS-504051-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)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	Connector Housings
Series	504051
Description	1.50mm Pitch, Pico-Lock Receptacle Crimp Housing, Single Row, Positive Lock, 8 Circuits, Black
Application	Signal, Wire-to-Board
Comments	See Molex product specification PS-504051-001 for additional current de-rating information
Product Name	Pico-Lock
UPC	887191259246

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	8

Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	High Temperature Thermoplastic
Net Weight	91.400/mg
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	1.50mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
1.50mm Pitch Pico-Lock Right-Angle Single Row Headers	504050

Use with Part(s)

Description	Part Number
1.50mm Pitch Pico-Lock Female Crimp Terminals	504052