# molex

**Part Number :** 5040510401

**Product Description :** 1.50mm Pitch, Pico-Lock Receptacle Crimp Housing, Single Row, Positive Lock, 4 Circuits, Black

**Series Number :** 504051

**Status :** Active

**Product Category :** Connector Housings

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## Documents & Resources

### Drawings
Drawing  5040510401_sd.pdf

### 3D Models and Design Files
2D Drawing DXF  5040510401.dxf
2D Drawing DXF (PDF)  5040510401.pdf
3D Model  5040510401_stp.zip

### Specifications
Packaging Specification  SPK-504051-001-001.pdf
Product Specification  5040510000-PS-000.pdf
Product Specification  5040511001-PS-000.pdf
Product Specification  PS-504051-001-001.pdf

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## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | ♻ |
| EU ELV | Compliant per 2000/53/EC |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2023)8585-DC (23 Jan 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 | Connector Housings |
| Series | 504051 |
| Description | 1.50mm Pitch, Pico-Lock Receptacle Crimp Housing, Single Row, Positive Lock, 4 Circuits, Black |
| Application | Signal, Wire-to-Board |
| Comments | See Molex product specification PS-504051-001 for additional current de-rating information |
| Product Family | Pico-Lock Connector System |
| Product Name | Pico-Lock |
| UPC | 887191335360 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### Physical

| | |
|---|---|
| Circuits (maximum) | 4 |
| 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 | 55.500/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 |

This document was generated on May 10, 2024