



**Part Number :** [533751310](#)

**Product Description :** 2.50mm Pitch, Mini-Lock PCB Header, Single Row, Vertical, Through Hole with Kinked Pins, Tin Plating, Positive Lock, 13 Circuits, Bag, 3.40mm PC Tail Length

**Series Number :** 53375

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[533751310 sd.pdf](#)

[SPK-53375-001-001.pdf](#)

[SPK-53375-001-002.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[533751310.dxf](#)

### Specifications

[533759200-SPK-200.pdf](#)

[PS-51103-005-001.pdf](#)

[511630000-PS-000.pdf](#)

[511631000-PS-000.pdf](#)

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## Product Environment Compliance

### Compliance

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS | Compliant with Exemption 44                                                                                  |
| China RoHS | <br>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

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## Part Details

### General

|                |                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                       |
| Category       | PCB Headers and Receptacles                                                                                                                                  |
| Series         | 53375                                                                                                                                                        |
| Description    | 2.50mm Pitch, Mini-Lock PCB Header, Single Row, Vertical, Through Hole with Kinked Pins, Tin Plating, Positive Lock, 13 Circuits, Bag, 3.40mm PC Tail Length |
| Application    | Signal, Wire-to-Board                                                                                                                                        |
| Component Type | PCB Header                                                                                                                                                   |
| Product Name   | Mini-Lock                                                                                                                                                    |
| UPC            | 800753437760                                                                                                                                                 |

### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
|-----|---------|

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

## Electrical

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

## Physical

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 13          |
| Circuits (maximum)             | 13          |
| 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                     | 1362.000/mg |
| Number of Rows                 | 1           |
| Orientation                    | Vertical    |
| Packaging Type                 | Bag         |
| PCB Locator                    | Yes         |
| PCB Retention                  | Yes         |
| PCB Thickness - Recommended    | 1.60mm      |
| PC Tail Length                 | 3.40mm      |
| Pitch - Mating Interface       | 2.50mm      |
| Plating min - Termination      | 1.000µm     |
| Polarized to Mating Part       | Yes         |
| Polarized to PCB               | Yes         |
| Shrouded                       | Fully       |
| Stackable                      | No          |

|                               |                           |
|-------------------------------|---------------------------|
| Temperature Range - Operating | -55° to +105°C            |
| Termination Interface Style   | Through Hole - Kinked Pin |

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### Mates With / Use With

#### Mates with Part(s)

| Description                                                 | Part Number  |
|-------------------------------------------------------------|--------------|
| Mini-Lock Single Row Receptacle Housings                    | <u>51163</u> |
| Mini-Lock-to-Mini-Lock Off-the-Shelf (OTS) Cable Assemblies | <u>15137</u> |