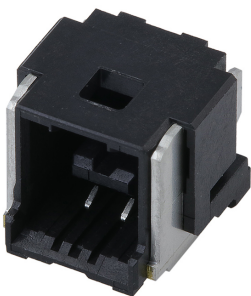




**Part Number :** [5025850271](#)  
**Product Description :** 1.50mm Pitch, CLIK-Mate PCB Receptacle, Single Row, Surface Mount, Right-Angle, Tin Plating, Positive Lock, 2 Circuits, Black  
**Series Number :** 502585  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[5025850271\\_sd.pdf](#)

**3D Models and Design Files**  
[5025850271.dxf](#)  
[5025850271.pdf](#)  
[5025850271\\_stp.zip](#)

**Specifications**  
[AS-502578-001-001.pdf](#)  
[SPK-502585-001-001.pdf](#)  
[5025780000-PS-000.pdf](#)  
[5025781000-PS-CHI-000.pdf](#)  
[5025781000-PS-JAP-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                |
|--------------------|------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33            |
| China RoHS         |                                                |
| EU ELV             | Compliant per 2000/53/EC                       |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21             |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 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

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## Part Details

### General

|                |                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                        |
| Category       | PCB Headers and Receptacles                                                                                                   |
| Series         | 502585                                                                                                                        |
| Description    | 1.50mm Pitch, CLIK-Mate PCB Receptacle, Single Row, Surface Mount, Right-Angle, Tin Plating, Positive Lock, 2 Circuits, Black |
| Application    | Signal, Wire-to-Board                                                                                                         |
| Component Type | PCB Receptacle                                                                                                                |
| Product Name   | CLIK-Mate                                                                                                                     |
| UPC            | 800756777160                                                                                                                  |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum             | 100V |

### Physical

|                                |       |
|--------------------------------|-------|
| Circuits (Loaded)              | 2     |
| Circuits (maximum)             | 2     |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 30    |

|                               |                       |
|-------------------------------|-----------------------|
| Flammability                  | SC-0                  |
| Glow-Wire Capable             | No                    |
| Guide to Mating Part          | Yes                   |
| Keying to Mating Part         | None                  |
| Lock to Mating Part           | Yes                   |
| Mated Height                  | 6.40mm                |
| Material - Metal              | Copper Alloy          |
| Material - Plating Mating     | Tin                   |
| Net Weight                    | 393.000/mg            |
| Number of Rows                | 1                     |
| Orientation                   | Right Angle           |
| Packaging Type                | Embossed Tape on Reel |
| PCB Locator                   | No                    |
| PCB Retention                 | Yes                   |
| Pitch - Mating Interface      | 1.50mm                |
| Pitch - Termination Interface | 1.50mm                |
| Polarized to Mating Part      | Yes                   |
| Polarized to PCB              | No                    |
| Stackable                     | No                    |
| Temperature Range - Operating | -40° to +105°C        |
| Termination Interface Style   | Surface Mount         |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                              | Part Number   |
|--------------------------------------------------------------------------|---------------|
| 1.50mm Pitch CLIK-Mate Single Row Plug Housings                          | <u>502578</u> |
| 1.50mm Pitch CLIK-Mate-to-CLIK-Mate Off-the-Shelf (OTS) Cable Assemblies | <u>15135</u>  |