



**Part Number :** [10112053](#)

**Product Description :** KK 254 Vertical Header, with Friction Lock, 4 Circuits, 3.50mm PC Tail Length, Bag

**Series Number :** 47053

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[470531000\\_sd.pdf](#)

### 3D Models and Design Files

[470531000\\_stp.zip](#)

### Specifications

[470530000-PK-000.pdf](#)

[PS-47053-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |  |
|--------------------|--|
| GADSL/IMDS         | Not Relevant                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | 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         | 47053  |
| Description    | KK 254 Vertical Header, with Friction Lock, 4 Circuits, 3.50mm PC Tail Length, Bag |
| Application    | Signal, Wire-to-Board  |
| Component Type | PCB Header   |
| Product Name   | KK 254   |
| UPC            | 822348238002   |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4.0A |
| Voltage - Maximum             | 500V |

### Physical

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 4               |
| Circuits (maximum)             | 4               |
| Color - Resin                  | Natural (White) |
| Durability (mating cycles max) | 25              |
| 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 - Metal               | Copper Alloy              |
| Material - Plating Mating      | Matte Tin                 |
| Material - Plating Termination | Matte Tin                 |
| Material - Resin               | Nylon                     |
| Net Weight                     | 0.386/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| Packaging Type                 | Bag                       |
| PC Tail Length                 | 3.50mm                    |
| PCB Locator                    | Yes                       |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| Pitch - Mating Interface       | 2.54mm                    |
| Pitch - Termination Interface  | 2.54mm                    |
| Plating min - Mating           | 2.540µm                   |
| Plating min - Termination      | 2.540µm                   |
| Polarized to Mating Part       | Yes                       |
| Polarized to PCB               | Yes                       |
| Shrouded                       | No                        |
| Stackable                      | No                        |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface Style    | Through Hole              |

### Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 235  |

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### Mates With / Use With

#### Mates with Part(s)

| Description                      | Part Number |
|----------------------------------|-------------|
| KK 254 Single Row Crimp Housings | <u>2695</u> |

|  |              |
|--|--------------|
| KK 254 Housings with Polarization<br>Rib | <u>47054</u> |
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