



**Part Number :** [22053181](#)

**Product Description :** KK 254 Solid Header, Right-Angle, with Friction Lock, 18 Circuits, Matte Tin (Sn) Plating, Bag

**Series Number :** 7478

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** A-7478-18A222



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## Documents and Resources

### Drawings

[022053181\\_sd.pdf](#)

[PK-7478-001-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[SYM-22-05-3181-001.zip](#)


### Specifications

[PS-10-07-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                         |
| 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)7771-DC (04 Feb 2026)                                                          |
| 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         | 7478                                                                                           |
| Description    | KK 254 Solid Header, Right-Angle, with Friction Lock, 18 Circuits, Matte Tin (Sn) Plating, Bag |
| Application    | Wire-to-Board                                                                                  |
| Component Type | PCB Header                                                                                     |
| Product Name   | KK 254                                                                                         |
| UPC            | 800753592698                                                                                   |

### Agency

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

### Electrical

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

### Physical

|                                |                    |
|--------------------------------|--------------------|
| Breakaway                      | No                 |
| Circuits (Loaded)              | 18                 |
| Circuits (maximum)             | 18                 |
| Color - Resin                  | Natural (White)    |
| Durability (mating cycles max) | 25                 |
| First Mate / Last Break        | No                 |
| Flammability                   | 94V-0              |
| Glow-Wire Capable              | No                 |
| Lock to Mating Part            | Yes                |
| Material - Metal               | Brass              |
| Material - Plating Mating      | Matte Tin          |
| Material - Plating Termination | Matte Tin          |
| Material - Resin               | Nylon              |
| Net Weight                     | 2.405/g            |
| Number of Rows                 | 1                  |
| Orientation                    | Right Angle        |
| Packaging Type                 | Bag                |
| PCB Locator                    | No                 |
| PCB Retention                  | No                 |
| PCB Thickness - Recommended    | 1.60mm             |
| PC Tail Length                 | 3.58mm             |
| 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                       | Partially Shrouded |
| Stackable                      | Yes                |
| Temperature Range - Operating  | -40° to +80°C      |
| 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 PC Board Connector        | <u>4455</u> |
| KK 254 Receptacle Housings       | <u>7880</u> |

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