

Part Number: 22288240

Product Description: KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 24 Circuits, Tin (Sn) Plating, Mating Pin Length 6.20mm

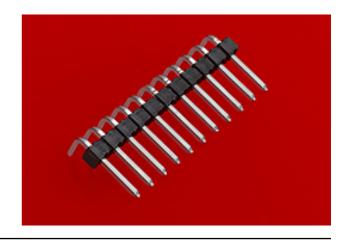
Series Number: 42377

Status: Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: 42377-0024



#### **Documents & Resources**

### **Drawings**

022288240\_sd.pdf PK-40873-0041-001.pdf

### 3D Models and Design Files

022288240\_stp.zip SYM-22-28-8241-001.zip

### **Specifications**

PS-10-07-001.pdf

## **Product Environment Compliance**

### Compliance

| GADSL/IMDS         | Not Relevant                                      |
|--------------------|---|
| China RoHS         | <b>©</b>  |
| EU ELV             | Not Relevant                                      |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-<br>21            |
| REACH SVHC         | Not Contained per D(2024)6225-DC<br>(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

### **Part Details**

### General

| Status         | Active   |
|----------------|--|
| Category       | PCB Headers and Receptacles  |
| Series         | 42377  |
| Description    | KK 254 Breakaway Header, Right-<br>Angle Surface Mount Compatible,<br>24 Circuits, Tin (Sn) Plating, Mating<br>Pin Length 6.20mm |
| Application    | Board-to-Board, Signal, Wire-to-<br>Board  |
| Component Type | PCB Header   |
| Product Name   | KK 254   |
| UPC            | 800753817258   |

### Agency

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

#### **Electrical**

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

# Physical

| Breakaway          | Yes   |
|--------------------|-------|
| Circuits (Loaded)  | 24    |
| Circuits (maximum) | 24    |
| Color - Resin      | Black |

| Durability (mating cycles max) | 25                             |
|--------------------------------|--------------------------------|
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Lock to Mating Part            | None                           |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.908/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Bag                            |
| PC Tail Length                 | 3.05mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 2.540µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | No                             |
| Shrouded                       | Partial                        |
| 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  |

# Mates With / Use With

Mates with Part(s)

| Description                                    | Part Number |
|--|-------------|
| KK 254 Single Row Crimp Housings               | <u>2695</u> |
| KK 254 Receptacle Housings                     | <u>7880</u> |
| KK 254 PC Board Connector                      | 4455        |
| 2.54mm Pitch C-Grid Shunt<br>Terminal Housings | 7859        |

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