



Part Number : 22172077

Series Number : 4455

Product Category : PCB Headers and Receptacles

Product Description : KK 254 PC Board Connector, Bottom Entry, 0.80µm Gold (Au), 7 Circuits

Status : Active


Engineering Number : A-4455-BH07J(228)

Documents & Resources

- Drawings**
- [Drawing 022172077_sd.pdf](#)
 - [Packaging Design Drawing PK-44646-001-001.pdf](#)
- 3D Models and Design Files**
- [3D Model 022172077_stp.zip](#)
- Specifications**
- [Product Specification PS-10-07-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 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 | 4455 |
| Description | KK 254 PC Board Connector, Bottom Entry, 0.80µm Gold (Au), 7 Circuits |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Family | KK Interconnect Systems |
| Product Name | KK 254 |
| UPC | 800753736931 |

Agency

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

Electrical

| | |
|-------------------------------|-------------------------|
| Current - Maximum per Contact | 3.5A, 3.75A, 3.0A, 4.0A |
| Grounding to PCB | No |
| Voltage - Maximum | 500V |

Physical

| | |
|--------------------------------|-----------------|
| Circuits (Loaded) | 7 |
| Circuits (maximum) | 7 |
| Color - Resin | Natural (White) |
| Durability (mating cycles max) | 25 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |

| | |
|--------------------------------|---------------------------|
| Keying to Mating Part | None |
| Lock to Mating Part | No |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 0.863/g |
| Number of Rows | 1 |
| Orientation | Bottom Entry |
| Packaging Type | Tray |
| PC Tail Length | 3.35mm |
| PCB Locator | Yes |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | No |
| Polarized to PCB | Yes |
| Stackable | Yes |
| 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 RPC Vertical Headers with Friction Lock | <u>171856</u> |
| KK 254 RPC Right-Angle Headers with Friction Lock | <u>171857</u> |
| KK 254 Single Row Vertical Headers | <u>4030</u> |
| KK 254 Single Row Right-Angle Headers | <u>4094</u> |
| KK 254 Vertical Breakaway Headers with Friction Lock | <u>42375</u> |
| KK 254 Right-Angle Breakaway Headers | <u>42376</u> |
| KK 254 Right-Angle Surface Mount Compatible Breakaway Headers | <u>42377</u> |