molex



**Part Number :** 38001425
**Product Description :** KK 254 PC Board Connector, Top Entry, 5 Circuits
**Series Number :** 4455
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Number :** A-4455-CZ05C(P909)

## Documents & Resources

### Drawings

038001425_sd.pdf

PK-44646-001-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

PS-10-07-001.pdf

PS-99020-0088-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44 |
| 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)4165-DC (25 June 2025) |
| 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 | 4455 |
| Description | KK 254 PC Board Connector, Top Entry, 5 Circuits |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Name | KK 254 |
| UPC | 800753731325 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.5A |
| Grounding to PCB | No |
| Voltage - Maximum | 500V |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 5 |

| | |
|---|---|
| Circuits (maximum) | 5 |
| Color - Resin | Natural (White) |
| 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 | None |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 0.546/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 3.30mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 1.016µm |
| Plating min - Termination | 1.016µm |
| Polarized to PCB | 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 RPC Vertical Headers with Friction Lock | 171856 |
| KK 254 RPC Right-Angle Headers with Friction Lock | 171857 |
| KK 254 Single Row Right-Angle Headers | 4094 |
| KK 254 Vertical Breakaway Headers with Friction Lock | 42375 |
| KK 254 Right-Angle Breakaway Headers | 42376 |
| KK 254 Right-Angle Surface Mount Compatible Breakaway Headers | 42377 |
| SL Single Row Male Insulation Displacement Connector Assemblies | 70475 |