



**Part Number :** [22182121](#)  
**Product Description :** KK 254 PC Board Connector,  
Top Entry, with Cat Ear Terminal, 0.38µm Gold (Au), 12  
Circuits, with Hooks  
**Series Number :** 4455  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-4455-CZ12A(208)



Documents & Resources

Drawings

[022182121\\_sd.pdf](#)  
[PK-44646-001-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

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, with Cat Ear Terminal, 0.38µm Gold (Au), 12 Circuits, with Hooks |
| Application    | Board-to-Board, Signal                                                                                 |
| Comments       | With Hooks                                                                                             |
| Component Type | PCB Receptacle                                                                                         |
| Product Name   | KK 254                                                                                                 |
| UPC            | 800754204972                                                                                           |

### Agency

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

### Electrical

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

### Physical

|                   |    |
|-------------------|----|
| Circuits (Loaded) | 12 |
|-------------------|----|

|                                |                           |
|--------------------------------|---------------------------|
| Circuits (maximum)             | 12                        |
| 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 - Plating Mating      | Gold                      |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 1.256/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| Packaging Type                 | Tray                      |
| PCB Locator                    | No                        |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| PC Tail Length                 | 3.35mm                    |
| Pitch - Mating Interface       | 2.54mm                    |
| Pitch - Termination Interface  | 2.54mm                    |
| Plating min - Mating           | 0.381µm                   |
| Plating min - Termination      | 2.540µm                   |
| 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                  | <u>171856</u> |
| KK 254 RPC Right-Angle Headers with Friction Lock               | <u>171857</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>  |
| SL Single Row Male Insulation Displacement Connector Assemblies | <u>70475</u>  |