



**Part Number :** [22182063](#)  
**Product Description :** KK 254 PC Board Connector, Top Entry, with Cat Ear Terminal, 0.50µm Gold (Au), 6 Circuits, with Hooks  
**Series Number :** 4455  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-4455-CZ06A(565)



Documents & Resources

**Drawings**  
[Drawing 022182063\\_sd.pdf](#)  
[Packaging Design Drawing PK-44646-001-001.pdf](#)

**3D Models and Design Files**  
[3D Model 022182063\\_stp.zip](#)

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2023)3788-DC (14 Jun 2023)                                        |
| 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

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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, 0.50µm Gold (Au), 6 Circuits, with Hooks |
| Application    | Board-to-Board, Signal                                                                                |
| Comments       | With Hooks                                                                                            |
| Component Type | PCB Receptacle                                                                                        |
| Product Family | KK Interconnect Systems                                                                               |
| Product Name   | KK 254                                                                                                |
| UPC            | 800753736252                                                                                          |

#### Agency

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

#### Electrical

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

#### Physical

|                    |                 |
|--------------------|-----------------|
| Circuits (Loaded)  | 6               |
| Circuits (maximum) | 6               |
| Color - Resin      | Natural (White) |
| 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 | Gold                      |
| Material - Resin               | Nylon                     |
| Net Weight                     | 0.641/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| Packaging Type                 | Tray                      |
| PC Tail Length                 | 3.35mm                    |
| PCB Locator                    | No                        |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| Pitch - Mating Interface       | 2.54mm                    |
| Pitch - Termination Interface  | 2.54mm                    |
| Plating min - Mating           | 0.508µm                   |
| Plating min - Termination      | 0.051µm                   |
| 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<br>with Friction Lock                  | <u>171857</u> |
| KK 254 Single Row Right-Angle<br>Headers                              | <u>4094</u>   |
| KK 254 Vertical Breakaway Headers<br>with Friction Lock               | <u>42375</u>  |
| KK 254 Right-Angle Breakaway<br>Headers                               | <u>42376</u>  |
| KK 254 Right-Angle Surface Mount<br>Compatible Breakaway Headers      | <u>42377</u>  |
| SL Single Row Male Insulation<br>Displacement Connector<br>Assemblies | <u>70475</u>  |