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**Part Number:** [0038001423](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK 254 PC Board Connector, Top Entry, 3 Circuits](#)

**Documents:**

|                                                          |                                                                |
|----------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification PS-99020-0088-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-44646-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-10-07-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

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

**General**

|                |                                                 |
|----------------|-------------------------------------------------|
| Product Family | PCB Receptacles                                 |
| Series         | <a href="#">4455</a>                            |
| Application    | Board-to-Board, Signal                          |
| Overview       | <a href="#">KK® Interconnect System - Molex</a> |
| Product Name   | KK 254                                          |
| UPC            | 800753731684                                    |

**Physical**

|                                |                           |
|--------------------------------|---------------------------|
| Circuits (Loaded)              | 3                         |
| Circuits (maximum)             | 3                         |
| 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      | Tin                       |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 0.333/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| PC Tail Length                 | 3.30mm                    |
| PCB Locator                    | No                        |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| Packaging Type                 | Tray                      |
| 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              |

**Electrical**

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

**Solder Process Data**

|                                                |     |
|------------------------------------------------|-----|
| Duration at Max. Process Temperature (seconds) | 005 |
|------------------------------------------------|-----|



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[4455](#) Series

**Mates With**

KK Header [4094](#) , [42376](#) , [42375](#) , [42377](#)  
, [171856](#) , [171857](#) <br>SL Insulation  
Displacement Connector [70475](#)

|                                         |                    |                                 |
|-----------------------------------------|--------------------|---------------------------------|
| Lead-free                               | Process Capability | WAVE                            |
| Max. Cycles at Max. Process Temperature |                    | 001                             |
| Process Temperature max. C              |                    | 235                             |
| <b>Material Info</b>                    |                    |                                 |
| Engineering Number                      |                    | A-4455-CZ03C(P909)              |
| <b>Reference - Drawing Numbers</b>      |                    |                                 |
| Packaging Specification                 |                    | PK-44646-001-001                |
| Product Specification                   |                    | PS-10-07-001, PS-99020-0088-001 |
| Sales Drawing                           |                    | SDA-4455-001, SDA-4455-002      |

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