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**Part Number:** [0022142124](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Systems](#)  
**Description:** KK 254 PC Board Connector, Bottom Entry, 2.54µm Tin (Sn), 12 Circuits

**Documents:**

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-10-07-001 (PDF)</a>       |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-44646-001-001 (PDF)</a> |
| <a href="#">3D Model (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 Systems</a> |
| Product Name   | KK 254                                  |
| Taxonomy       | PCB Headers and Receptacles             |
| UPC            | 800753590502                            |

**Physical**

|                                |                           |
|--------------------------------|---------------------------|
| Circuits (Loaded)              | 12                        |
| Circuits (maximum)             | 12                        |
| 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               | Brass                     |
| Material - Plating Mating      | Tin                       |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 1.433/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Bottom Entry              |
| PC Tail Length                 | 3.35mm                    |
| 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           | 2.540µm                   |
| Plating min - Termination      | 2.540µm                   |
| Polarized to PCB               | No                        |
| Surface Mount Compatible (SMC) | 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 |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[4455 Series](#)

**Mates With**

KK Header [4094](#) , [42376](#) , [42375](#) , [42377](#) ,  
[4030](#) , [171856](#) , [171857](#)

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

**Material Info**

|                    |                    |
|--------------------|--------------------|
| Engineering Number | A-4455-BH12D(P909) |
|--------------------|--------------------|

**Reference - Drawing Numbers**

|                         |                  |
|-------------------------|------------------|
| Packaging Specification | PK-44646-001-001 |
| Product Specification   | PS-10-07-001     |
| Sales Drawing           | SDA-4455-001     |

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