

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0022142164

Status:

Active

Overview:

KK Interconnect Systems

Description:

KK 254 PC Board Connector, Bottom Entry, 2.54µm Tin (Sn), 16 Circuits

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

|                      |                             |
|----------------------|-----------------------------|
| Agency Certification |                             |
| CSA                  | LR19980                     |
| UL                   | E29179                      |
| General              |                             |
| Product Family       | PCB Receptacles             |
| Series               | 4455                        |
| Application          | Board-to-Board, Signal      |
| Overview             | KK Interconnect Systems     |
| Product Name         | KK 254                      |
| Taxonomy             | PCB Headers and Receptacles |
| UPC                  | 800753590540                |

|                                |                           |
|--------------------------------|---------------------------|
| Physical                       |                           |
| Circuits (Loaded)              | 16                        |
| Circuits (maximum)             | 16                        |
| 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                     | 1.949/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                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| 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](#) , [4030](#) , [171856](#) , [171857](#)

**Solder Process Data**

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

**Material Info**

|                    |                    |
|--------------------|--------------------|
| Engineering Number | A-4455-BH16D(P909) |
|--------------------|--------------------|

**Reference - Drawing Numbers**

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

This document was generated on 10/11/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**