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**Part Number:** [0448120009](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** KK 254 PC Board Connector, Low Profile, 5.08µm Tin (Sn), 9 Circuits

**Documents:**

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-44812-001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-44812-001-001 (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="#">44812</a>                     |
| Application    | Board-to-Board, Power                     |
| Overview       | <a href="#">KK Interconnect Solutions</a> |
| Product Name   | KK 254                                    |
| UPC            | 756054462317                              |

**Physical**

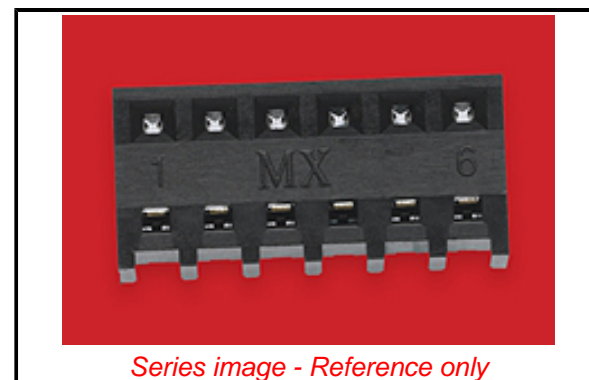
|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 9                              |
| Circuits (maximum)             | 9                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 25                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.161/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 5.080µm                        |
| Plating min - Termination      | 5.080µm                        |
| Polarized to PCB               | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | See Product Specification      |
| Termination Interface: Style   | Through Hole                   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum             | 500V |

**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                     | 250  |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Not 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**

[44812](#) Series

**Mates With**

[42153](#) , [4094](#) , [42376](#) , [42375](#) , [42377](#) ,  
[42152](#) , [4030](#)

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-44812-001-001

Product Specification

PS-44812-001-001

Sales Drawing

SD-44812-001-001

This document was generated on 01/07/2022

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