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**Part Number:** [22-05-2141](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnection System](#)  
**Description:** 2.54mm Pitch KK® Wire-to-Board Header, Single Row, Right Angle, 14 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

**Documents:**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-10-07 (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 Headers                                |
| Series         | <a href="#">4094</a>                       |
| Application    | Board-to-Board, Signal, Wire-to-Board      |
| Overview       | <a href="#">KK® Interconnection System</a> |
| Product Name   | KK®                                        |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 14              |
| Circuits (maximum)             | 14              |
| Color - Resin                  | Natural (White) |
| Durability (mating cycles max) | 25              |
| Flammability                   | 94V-0           |
| Glow-Wire Compliant            | No              |
| Lock to Mating Part            | None            |
| Material - Metal               | Brass           |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Number of Rows                 | 1               |
| Orientation                    | Right Angle     |
| PC Tail Length                 | 3.15mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Bag             |
| Pitch - Mating Interface       | 2.54mm          |
| Plating min - Mating           | 5.080µm         |
| Plating min - Termination      | 5.080µm         |
| Polarized to Mating Part       | No              |
| Polarized to PCB               | No              |
| Shrouded                       | No              |
| Stackable                      | Yes             |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | 0°C to +75°C    |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4A   |
| Voltage - Maximum             | 250V |

**Solder Process Data**



image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Low-Halogen Status  
Low-Halogen**

**China RoHS**



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For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

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non-product compliance questions.

**Search Parts in this Series**

[4094Series](#)

**Mates With**

[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#)

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

**Material Info**

|                 |               |
|-----------------|---------------|
| Old Part Number | A-4094-14A102 |
|-----------------|---------------|

**Reference - Drawing Numbers**

|                       |          |
|-----------------------|----------|
| Product Specification | PS-10-07 |
| Sales Drawing         | SDA-4094 |

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