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**Part Number:** [0010085121](#)  
**Status:** **Active**  
**Overview:** [KK 508 Connector System](#)  
**Description:** KK Header, Vertical, with Polarizing Backwall, 12 Circuits, Tin (Sn) Plating

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>                                      | <a href="#">Packaging Specification PK-2599-0001-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                 | <a href="#">Symbol Footprint Data SYM-1008-5121-001 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-99020-0087-001 (PDF)</a> |  |

**Agency Certification**

UL E29179

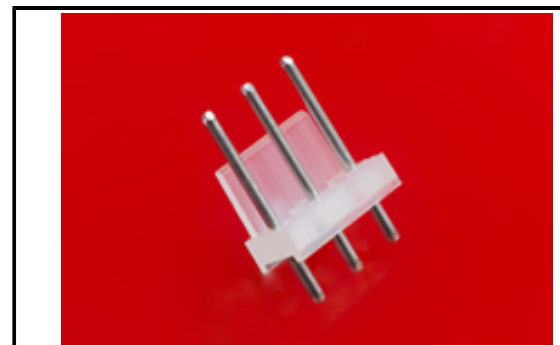
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                             |
| Series         | <a href="#">2599</a>                    |
| Application    | Power, Wire-to-Board                    |
| Overview       | <a href="#">KK 508 Connector System</a> |
| Product Name   | KK 508                                  |
| UPC            | 800753744653                            |

**Physical**

|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | No                        |
| Circuits (Loaded)              | 12                        |
| Circuits (maximum)             | 12                        |
| Color - Resin                  | Natural                   |
| Durability (mating cycles max) | 25                        |
| First Mate / Last Break        | No                        |
| Flammability                   | 94V-2                     |
| Glow-Wire Capable              | No                        |
| Guide to Mating Part           | No                        |
| Keying to Mating Part          | None                      |
| Lock to Mating Part            | None                      |
| Material - Metal               | Brass                     |
| Material - Plating Mating      | Tin                       |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 3.260/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| PC Tail Length                 | 4.45mm                    |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| Packaging Type                 | Bag                       |
| Pitch - Mating Interface       | 5.08mm                    |
| Pitch - Termination Interface  | 5.08mm                    |
| Plating min - Mating           | 5.080µm                   |
| Plating min - Termination      | 5.080µm                   |
| Polarized to PCB               | No                        |
| Shrouded                       | Partial                   |
| Stackable                      | Yes                       |
| Surface Mount Compatible (SMC) | No                        |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface: Style   | Through Hole              |

**Electrical**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

[2599 Series](#)

**Mates With**

Crimp Housing [3001](#) <br> PCB Receptacle  
[3002](#)

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7.0A |
| Voltage - Maximum             | 250V |

**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 | 2599M12A |
|--------------------|----------|

**Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | PK-2599-0001-000  |
| Product Specification   | PS-99020-0087-001 |
| Symbol/Footprint Data   | SYM-1008-5121-001 |

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