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**Part Number:** [0010081121](#)  
**Status:** **Active**  
**Overview:** [KK 508 Connector System](#)  
**Description:** KK Header, Vertical, Round Pin, 12 Circuits, Tin (Sn) Plating, Pin Length 19.05mm

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification 30030001-PK-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-1008-1121-001 (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**

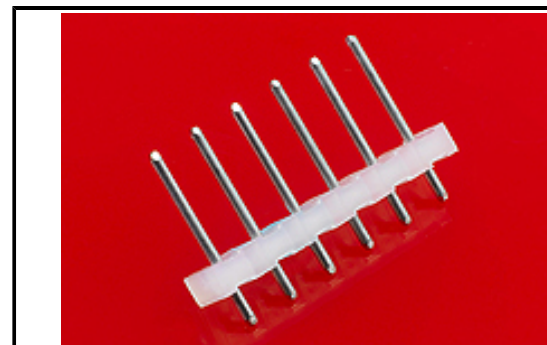
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">3003</a>
Application	Board-to-Board, Power, Wire-to-Board
Overview	<a href="#">KK 508 Connector System</a>
Product Name	KK 508
UPC	800753744837

**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	2.989/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.94mm
PCB Locator	No
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 Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	See Product Specification



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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[3003](#) Series

**Mates With**

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

Termination Interface: Style Through Hole

**Electrical**

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

**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 3003-12A

**Reference - Drawing Numbers**

Packaging Specification 30030001-PK-000  
Product Specification PS-99020-0087-001  
Sales Drawing SDAE-3003-NX-001  
Symbol/Footprint Data SYM-1008-1121-001

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