



**Part Number :** [10081021](#)  
**Product Description :** KK Header, Vertical,  
Round Pin, 2 Circuits, Tin (Sn) Plating, Pin  
Length 19.05mm  
**Series Number :** 3003  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles  
**Engineering Number :** 3003-02A



Documents & Resources

Drawings

[010081021\\_sd.pdf](#)  
[30030001-PK-000.pdf](#)

3D Models and Design Files


[010081021\\_stp.zip](#)  
[SYM-1008-1021-001.zip](#)

Specifications

[PS-99020-0087-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	3003
Description	KK Header, Vertical, Round Pin, 2 Circuits, Tin (Sn) Plating, Pin Length 19.05mm
Application	Board-to-Board, Power, Wire-to-Board
Component Type	PCB Header
Product Name	KK 508
UPC	800753744912

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

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

#### Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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	0.493/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.94mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
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
Temperature Range - Operating	See Product Specification
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

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# Mates With / Use With

## Mates with Part(s)

Description	Part Number
KK 5.08mm Pitch Single Row Crimp Housings	<u>3001</u>
KK 5.08mm Pitch PC Board Connectors	<u>3002</u>