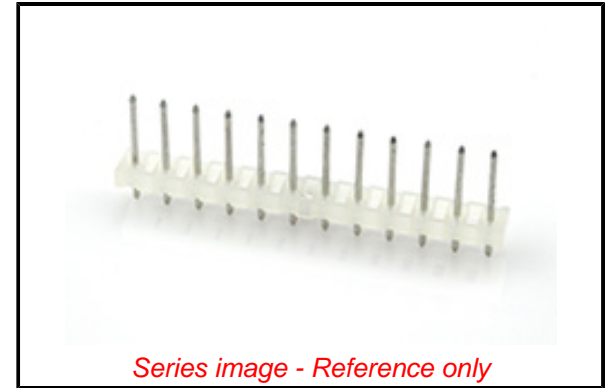


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

Documents:

Drawing (PDF)	Packaging Specification 30030001-PK-000 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-1008-1121-001 (PDF)
3D Model	RoHS Certificate of Compliance (PDF)
Product Specification PS-99020-0087-001 (PDF)	



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	3003
Application	Board-to-Board, Power, Wire-to-Board
Component Type	PCB Header
Overview	KK Interconnect Systems
Product Name	KK 508
Taxonomy	PCB Headers and Receptacles
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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[3003 Series](#)

Mates With

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

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	See Product Specification
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-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

Material Info

Engineering Number	3003-12A
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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

This document was generated on 03/24/2023

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