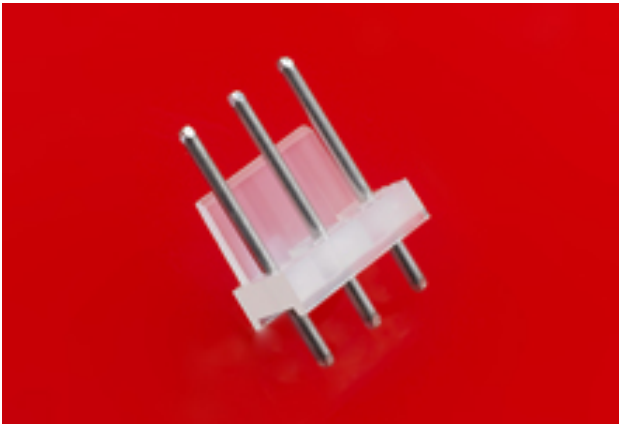




**Part Number :** [10085121](#)  
**Product Description :** KK Header, Vertical, with Polarizing Backwall, 12 Circuits, Tin (Sn) Plating  
**Series Number :** 2599  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 2599M12A



## Documents & Resources


**Drawings**  
[010085121\\_sd.pdf](#)  
[PK-2599-0001-000.pdf](#)

**3D Models and Design Files**  
[010085121\\_stp.zip](#)  
[SYM-1008-5121-001.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	2599
Description	KK Header, Vertical, with Polarizing Backwall, 12 Circuits, Tin (Sn) Plating
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	KK 508
UPC	800753744653

#### Agency

UL	E29179
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#### Electrical

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

#### 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
Packaging Type	Bag
PC Tail Length	4.45mm
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 PCB	No
Shrouded	Partial
Stackable	Yes
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
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KK 5.08mm Pitch Single Row Crimp Housings	<u>3001</u>
KK 5.08mm Pitch PC Board Connectors	<u>3002</u>