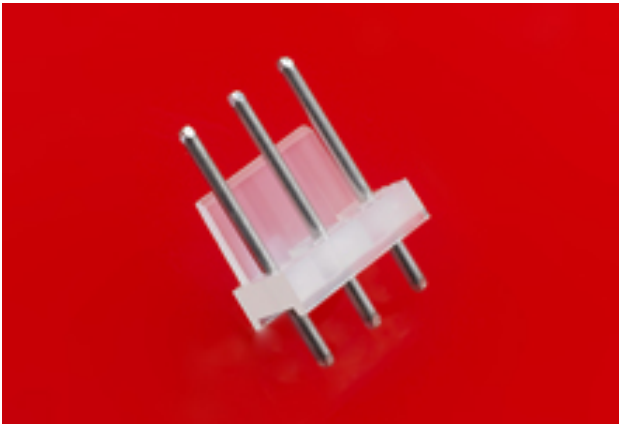




**Part Number :** [10085081](#)  
**Product Description :** KK Header, Vertical, with Polarizing Backwall, 8 Circuits, Tin (Sn) Plating  
**Series Number :** 2599  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 2599M08A



Documents & Resources

**Drawings**  
[010085081\\_sd.pdf](#)  
[PK-2599-0001-000.pdf](#)

**3D Models and Design Files**  
[010085081\\_stp.zip](#)  
[SYM-1008-5081-001.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, 8 Circuits, Tin (Sn) Plating
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	KK 508
UPC	800753744585

#### Agency

UL	E29179
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#### Electrical

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

#### Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
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	2.175/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	10
Lead-Free Process Capability	WAVE
Max-Temp	260

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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>
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