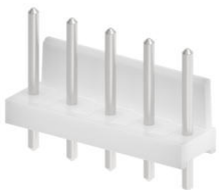




Part Number : [10085051](#)
Product Description : KK Header, Vertical, with
Polarizing Backwall, 5 Circuits, Tin (Sn) Plating
Series Number : 2599
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : 2599M05A



Documents & Resources

Drawings

[010085051_sd.pdf](#)
[PK-2599-0001-000.pdf](#)

3D Models and Design Files

[STEP AP242](#)
[SOLIDWORKS](#)
[Creo](#)
[Symbol and Footprint \(Multi-Format\)](#)
[SYM-1008-5051-001.zip](#)

Specifications

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

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	2599
Description	KK Header, Vertical, with Polarizing Backwall, 5 Circuits, Tin (Sn) Plating
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	KK 508
UPC	800753744578

Agency

UL	E29179
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Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5

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	1.334/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	4.45mm
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

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>