



Part Number : [10085071](#)

Series Number : 2599

Product Category : PCB Headers and Receptacles

Product Description : KK Header, Vertical, with Polarizing Backwall, 7 Circuits, Tin (Sn) Plating

Status : Active

Engineering Number : 2599M-07A

Documents & Resources

Drawings
[Drawing 010085071_sd.pdf](#)
[Packaging Design Drawing PK-2599-0001-000.pdf](#)

3D Models and Design Files
[3D Model 010085071_stp.zip](#)
[Symbol Footprint Data SYM-1008-5071-001.zip](#)

Specifications
[Product Specification 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)4144-DC (27 June 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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	2599
Description	KK Header, Vertical, with Polarizing Backwall, 7 Circuits, Tin (Sn) Plating
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	KK Interconnect Systems
Product Name	KK 508
UPC	800753643178

Agency

UL	E29179
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Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
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	1.884/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

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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