



Part Number : [38004904](#)

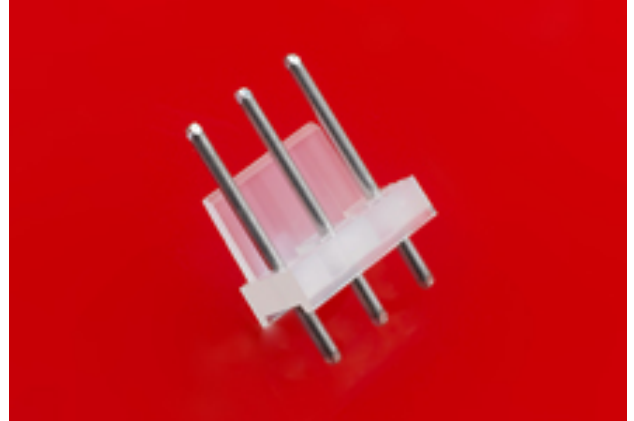
Product Description : KK Header, Vertical, with Polarizing Backwall, 12 Circuits, Tin (Sn) Plating, Circuit 8 Voided

Series Number : 2599

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Number : 2599M12A08



Documents & Resources

Drawings

[Drawing 038004904_sd.pdf](#)

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

3D Models and Design Files

[Symbol Footprint Data SYM-1008-5121-001.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, 12 Circuits, Tin (Sn) Plating, Circuit 8 Voided
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Family	KK Interconnect Systems
Product Name	KK 508
UPC	800753018648

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	4.5A
Voltage - Maximum	250V

Physical

Breakaway	No
Circuits (Loaded)	11
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	3.089/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	4.45mm
PCB Locator	No
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 Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
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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