

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0038007584](#)  
**Status:** **Active**  
**Overview:** [KK 508 Connector System](#)  
**Description:** KK Header, Vertical, with Polarizing Backwall, 6 Circuits, Tin (Sn) Plating, Circuit 2 Voided

**Documents:**

[Drawing \(PDF\)](#) [Symbol Footprint Data SYM-1008-5061-001 \(PDF\)](#)  
[Product Specification PS-99020-0087-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification PK-2599-0001-000 \(PDF\)](#)

**Agency Certification**

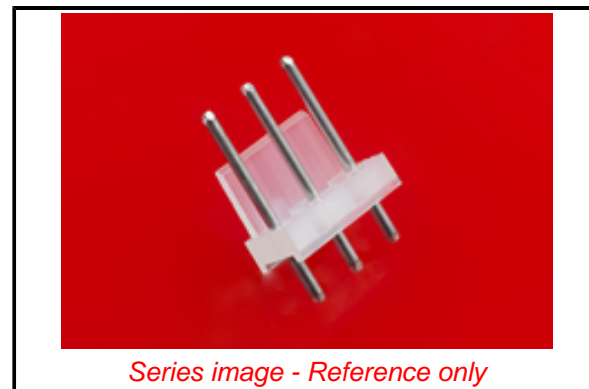
UL E29179

**General**

Product Family PCB Headers  
 Series [2599](#)  
 Application Signal, Wire-to-Board  
 Overview [KK 508 Connector System](#)  
 Product Name KK 508  
 Taxonomy PCB Headers and Receptacles  
 UPC 800753728271

**Physical**

Breakaway No  
 Circuits (Loaded) 5  
 Circuits (maximum) 6  
 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 1.448/g  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 4.45mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Bag  
 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  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating See Product Specification



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 D(2022)4187-DC (10  
 June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[2599 Series](#)

**Mates With**

Crimp Housing [3001](#) <br> PCB Receptacle [3002](#)

Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 4.5A

Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005

Lead-free Process Capability WAVE

Max. Cycles at Max. Process Temperature 001

Process Temperature max. C 235

**Material Info**

Engineering Number 2599M06A02

**Reference - Drawing Numbers**

Packaging Specification PK-2599-0001-000

Product Specification PS-99020-0087-001

Symbol/Footprint Data SYM-1008-5061-001

This document was generated on 08/30/2022

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