

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

**Part Number:** [0010085051](#)  
**Status:** **Active**  
**Overview:** [KK® 508 Connector System](#)  
**Description:** [KK® Header, Vertical, with Polarizing Backwall, 5 Circuits, Tin \(Sn\) Plating](#)

**Documents:**

[3D Model](#) [Packaging Specification PK-2599-0001-000 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0087-001 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

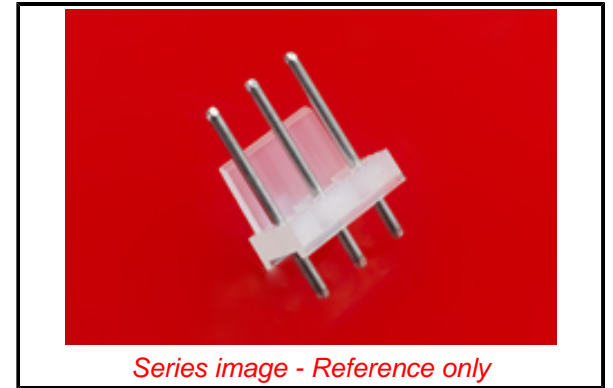
Product Family PCB Headers  
 Series [2599](#)  
 Application Power, Wire-to-Board  
 Overview [KK® 508 Connector System](#)  
 Product Name KK® 508  
 UPC 800753744578

**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 Compliant 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  
 PC Tail Length 4.45mm  
 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 PCB No  
 Shrouded Partial  
 Stackable Yes  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating See Product Specification  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 7.0A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2017 (12  
 January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[2599 Series](#)

**Mates With**

KK® Crimp Housing [3001](#) , [5058](#) , [3002](#)  
 KK® PC Board Connector

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 2599M05A

**Reference - Drawing Numbers**

Packaging Specification PK-2599-0001-000

Product Specification PS-99020-0087-001

Sales Drawing SDAE-2599M-N\*

This document was generated on 02/21/2017

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**