

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

**Part Number:** [0470531000](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK 254 Vertical Header, with Friction Lock, 4 Circuits, PC Tail Length: 3.50mm](#)

**Documents:**

[3D Model](#) [Packaging Specification 470530000-PK-000 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-47053-001-001 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

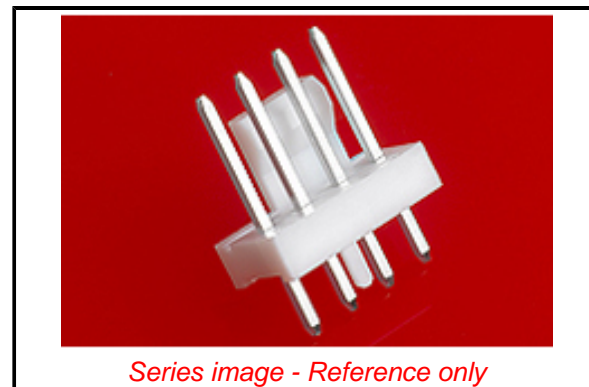
Product Family PCB Headers  
 Series [47053](#)  
 Application Signal, Wire-to-Board  
 Overview [KK® Interconnect System - Molex](#)  
 Product Name KK 254  
 UPC 822348238002

**Physical**

Breakaway No  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 Durability (mating cycles max) 25  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Tin  
 Material - Plating Termination Copper  
 Net Weight 0.386/g  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 3.50mm  
 PCB Locator Yes  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Bag  
 Pitch - Mating Interface 2.54mm  
 Pitch - Termination Interface 2.54mm  
 Plating min - Mating 5.080µm  
 Plating min - Termination 5.080µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded No  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating See Product Specification  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 4.0A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/61/2018 (27 June  
 2018)

**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**

[47053 Series](#)

**Mates With**

2.54mm Pitch KK Crimp Housing [47054](#) ,  
[2695](#)

Voltage - Maximum 500V

**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**

**Reference - Drawing Numbers**

Packaging Specification 470530000-PK-000  
Product Specification PS-47053-001-001  
Sales Drawing SD-47053-001-000

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