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**Part Number:** [0022272051](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Wire-to-Board Header, Vertical, with Friction Lock, 5 Circuits, Tin (Sn) Plating

**Documents:**

[3D Model](#) [Packaging Specification PK-6410-002-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0088-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [6410](#)  
 3D Viewer Yes  
 Application Signal, Wire-to-Board  
 CURRENT-MAX-NUMERIC 4.0  
 Overview [KK® Interconnect System - Molex](#)  
 PITCH-MATING-NUMERIC 2.54  
 Product Name KK 254  
 UPC 800753589643

**Physical**

Breakaway No  
 Circuits (Loaded) 5  
 Circuits (maximum) 5  
 Color - Resin Natural (White)  
 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 Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Net Weight 0.581/g  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 3.56mm  
 PCB Locator No  
 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 No  
 Shrouded Partial  
 Stackable No  
 Surface Mount Compatible (SMC) No



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/71/2019 (16 July  
 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[6410 Series](#)

**Mates With**

KK Crimp Terminal Housing [2695](#) , [6471](#)

Temperature Range - Operating  
Termination Interface: Style

See Product Specification  
Through Hole

**Electrical**

Current - Maximum per Contact 4.0A  
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**

Engineering Number AE-6410-05A(222)

**Reference - Drawing Numbers**

Packaging Specification PK-6410-002-001  
Product Specification PS-99020-0088-001  
Sales Drawing SDAE-6410-N-000  
Symbol/Footprint Data SYM-22-27-2051

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