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**Part Number:** [22-29-2121](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK® 254 Wire-to-Board Header, Vertical, with Friction Lock, 12 Circuits, Gold \(Au\) Plating](#)

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [6410](#)  
 Application Signal, Wire-to-Board  
 Overview [KK® Interconnect System - Molex](#)  
 Product Name KK® 254  
 UPC 800753735927

**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Color - Resin Natural (White)  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Net Weight 1.238/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 0.508µm  
 Plating min - Termination 0.508µm  
 Polarized to Mating Part Yes  
 Polarized to PCB No  
 Shrouded Partial  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating See Product Specification  
 Termination Interface: Style Through Hole



image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[6410Series](#)

**Mates With**

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

**Electrical**

Current - Maximum per Contact 4A  
Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 5  
Lead-free Process Capability Wave Capable (TH only)  
Max. Cycles at Max. Process Temperature 1  
Process Temperature max. C 235

**Material Info**

Old Part Number AE-6410-12A(241)

**Reference - Drawing Numbers**

Product Specification PS-99020-0088  
Sales Drawing SDAE-6410-N

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