

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

**Part Number:** [0022283212](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Breakaway Header, Vertical, with Polarizing Wall, 21 Circuits, 0.76µm Gold (Au) Selective Plating  
**Replacement Part Number:** <http://www.molex.com/molex/products/listview.jsp?channel=Products&sType=p&query=002228021222-28-0212> see comments

**Documents:**

[3D Model](#) [Product Specification PS-10-07-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

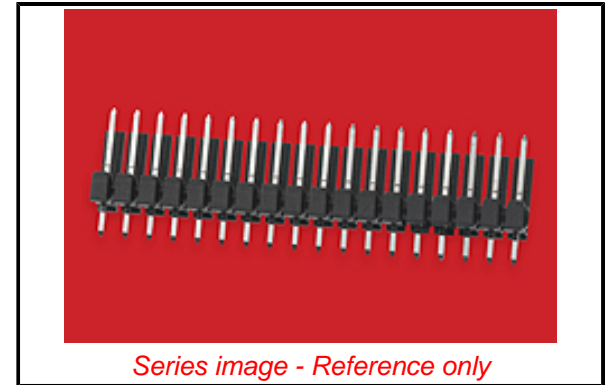
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [42225](#)  
 Application Signal, Wire-to-Board  
 Application Tooling Part Link 11-20-1230  
 Comments Original part number has polarized backwall, Replacement has friction lock. Gold Point in FKL replacement is .180" vs Pol version .140", Tin in FKL is .135" vs Pol version .100"  
[KK® Interconnect System - Molex](#)  
 Overview  
 Product Name KK 254  
 Replacement Part Number [22-28-0212](#) see comments  
 UPC 800753817531

**Physical**

Breakaway Yes  
 Circuits (Loaded) 21  
 Circuits (maximum) 21  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Lock to Mating Part None  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Net Weight 3.641/g  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 3.43mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Bag  
 Pitch - Mating Interface 2.54mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB No  
 Shrouded Partial



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Not 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**

[42225 Series](#)

**Mates With**

KK Crimp Housing [2695](#) , [6471](#) , [7880](#) , KK PC Board Connector [4455](#)

Stackable	No
Temperature Range - Operating	See Product Specification
Termination Interface: Style	Through Hole
<b>Electrical</b>	
Current - Maximum per Contact	4.0A
Voltage - Maximum	500V
<b>Solder Process Data</b>	
Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235
<b>Material Info</b>	
Engineering Number	42225-0091
<b>Reference - Drawing Numbers</b>	
Product Specification	PS-10-07-001
Sales Drawing	SD-42225-001, SD-42225-001-002

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