

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

**Part Number:** [0022283180](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Breakaway Header, Vertical, with Polarizing Wall, 18 Circuits, Tin (Sn) Plating  
<http://www.molex.com/molex/products/listview.jsp?channel=Products&sType=p&query=002228018022-28-0180> see comments  
**Replacement Part Number:**

**Documents:**

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

**Agency Certification**

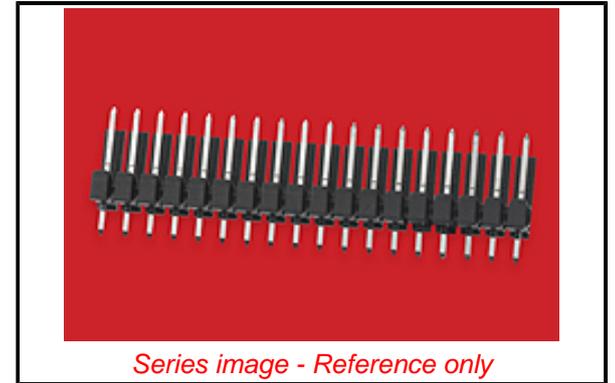
CSA LR19980  
 UL E29179

**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, same diminsions and plating  
 Overview [KK® Interconnect System - Molex](#)  
 Product Name KK 254  
 Replacement Part Number [22-28-0180](#) see comments  
 UPC 800753817012

**Physical**

Breakaway Yes  
 Circuits (Loaded) 18  
 Circuits (maximum) 18  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Lock to Mating Part None  
 Material - Metal Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Net Weight 2.196/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 2.540µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB No  
 Shrouded Partial  
 Stackable No  
 Temperature Range - Operating See Product Specification



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**

**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](#)

Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 4.0A

Voltage - Maximum 500V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005

Lead-freeProcess Capability WAVE

Max. Cycles at Max. Process Temperature 001

Process Temperature max. C 235

**Material Info**

Engineering Number 42225-0018

**Reference - Drawing Numbers**

Product Specification PS-10-07-001

Sales Drawing SD-42225-001, SD-42225-001-002

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