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**Part Number:** [0878910306](#)  
**Status:** **Active**  
**Overview:** KK® Interconnect System - Molex  
**Description:** KK® 254 PCB Header, Through Hole, Breakaway, Vertical, 3 Circuits, 2.50µm Tin (Sn) Overall Plating, Tray Packaging, Lead-Free

**Documents:**

[3D Model](#) [Packaging Specification PK-89990-489 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-87920-019-001 \(PDF\)](#)

**General**

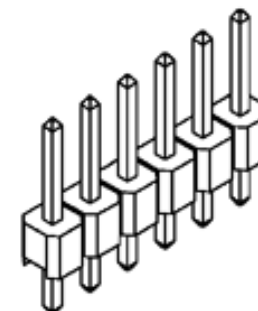
Product Family PCB Headers  
 Series [87891](#)  
 Application Board-to-Board, Signal, Wire-to-Board  
 Overview KK® Interconnect System - Molex  
 Product Name KK® 254  
 UPC 822350583022

**Physical**

Breakaway Yes  
 Circuits (Loaded) 3  
 Circuits (maximum) 3  
 Color - Resin Black  
 First Mate / Last Break No  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part None  
 Mated Height 5.84mm  
 Material - Metal Copper Alloy  
 Material - Plating Mating Tin  
 Material - Plating Termination Nickel  
 Material - Resin Nylon  
 Net Weight 162.458/g  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 2.97mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.54mm  
 Pitch - Termination Interface 2.54mm  
 Plating min - Mating 2.540µm  
 Plating min - Termination 1.270µm  
 Polarized to Mating Part No  
 Polarized to PCB No  
 Shrouded No  
 Stackable No  
 Temperature Range - Operating -55°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3.0A  
 Voltage - Maximum 250V



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/30/2017 (7 July  
 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[87891](#) Series

**Mates With**

[4455](#) KK® 254 PCB Receptacles,

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	012
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-89990-489
Product Specification	PS-87920-019-001
Sales Drawing	SD-87891-013

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