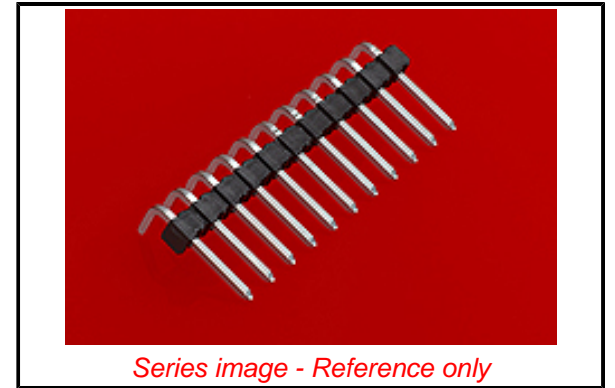


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0022288230](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Systems](#)  
**Description:** KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 23 Circuits, Tin (Sn) Plating, Mating Pin Length 6.20mm

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-40873-0041-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Symbol Footprint Data SYM-22-28-8231-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-10-07-001 (PDF)</a>	



Series image - Reference only

**Agency Certification**

CSA	LR19980
UL	E29179

**Application tooling part link**

Application Tooling Part Link	11-20-1230
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**General**

Product Family	PCB Headers
Series	<a href="#">42377</a>
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Overview	<a href="#">KK Interconnect Systems</a>
Product Name	KK 254
Taxonomy	PCB Headers and Receptacles
UPC	800753817166

**Physical**

Breakaway	Yes
Circuits (Loaded)	23
Circuits (maximum)	23
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	High Temperature Thermoplastic
Net Weight	1.857/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.05mm
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

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

[42377 Series](#)

**Mates With**

KK 254 Crimp Housing [2695](#) , [7880](#) . KK 254  
Top-Entry PCB Receptacle [4455](#) . C-Grid  
Shunt Terminal Housing [7859](#)

Surface Mount Compatible (SMC)	Yes
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	42377-0023
<b>Reference - Drawing Numbers</b>	
Packaging Specification	PK-40873-0041-001
Product Specification	PS-10-07-001
Sales Drawing	SD-42377-001-000, SD-42377-001-002
Symbol/Footprint Data	SYM-22-28-8231-001

This document was generated on 01/04/2023

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