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Part Number: [0022284101](#)
Status: **Active**
Overview: [KK Interconnect Systems](#)
Description: [KK 254 Breakaway Header, Vertical, 10 Circuits, Tin \(Sn\) Plating, Mating Pin Length 8.13mm](#)

Documents:

3D Model (PDF)	Product Specification PS-10-07-001 (PDF)
Drawing (PDF)	Packaging Specification PK-40873-0041-001 (PDF)
3D Model	RoHS Certificate of Compliance (PDF)

Agency Certification

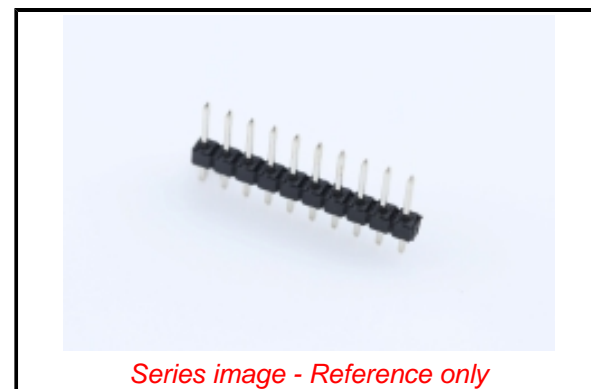
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42375
Application	Board-to-Board, Signal, Wire-to-Board
Overview	KK Interconnect Systems
Product Name	KK 254
Taxonomy	PCB Headers and Receptacles
UPC	800753829428

Physical

Breakaway	Yes
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.718/g
Number of Rows	1
Orientation	Vertical
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	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	See Product Specification



Series image - Reference only

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

[42375 Series](#)

Mates With

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

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 42375-0115

Reference - Drawing Numbers

Packaging Specification PK-40873-0041-001
Product Specification PS-10-07-001
Sales Drawing SD-42375-001-001, SD-42375-001-002

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