



**Part Number :** [22122051](#)  
**Product Description :** KK 254 Wire-to-Board Header, Single Row, Right-Angle, 5 Circuits, PA Polyamide Nylon, Gold (Au) Plating  
**Series Number :** 4094  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-4094-05A241



## Documents & Resources

### Drawings

[022122051\\_sd.pdf](#)  
[PK-4094-001-001.pdf](#)

### 3D Models and Design Files


[022122051\\_stp.zip](#)  
[SYM-22-05-2051-001.zip](#)

### Specifications

[PS-10-07-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	4094
Description	KK 254 Wire-to-Board Header, Single Row, Right-Angle, 5 Circuits, PA Polyamide Nylon, Gold (Au) Plating
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753729483

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	4.0A
Voltage - Maximum	500V

### Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Natural (White)

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	Gold
Material - Resin	Nylon
Net Weight	0.398/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Bag
PC Tail Length	3.15mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.508μm
Plating min - Termination	0.508μm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Temperature Range - Operating	See Product Specification
Termination Interface Style	Through Hole

#### Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

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#### Mates With / Use With

## Mates with Part(s)

Description	Part Number
KK 254 Single Row Crimp Housings	<u>2695</u>
KK 254 PC Board Connector	<u>4455</u>
KK 254 Receptacle Housings	<u>7880</u>

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