



**Part Number :** [22122214](#)  
**Product Description :** KK 254 Solid Header,  
Right-Angle, with Friction Lock, 21 Circuits,  
0.51µm Gold (Au) Plating  
**Series Number :** 7478  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles  
**Engineering Number :** A-7478-21A241



## Documents & Resources


**Drawings**  
[022122214\\_sd.pdf](#)  
[PK-7478-001-000.pdf](#)

**3D Models and Design Files**  
[022122214\\_stp.zip](#)  
[SYM-22-05-3211-001.zip](#)

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

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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	7478
Description	KK 254 Solid Header, Right-Angle, with Friction Lock, 21 Circuits, 0.51µm Gold (Au) Plating
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	800754930291

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

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

#### Physical

Breakaway	No
Circuits (Loaded)	21
Circuits (maximum)	21
Color - Resin	Natural (White)
Durability (mating cycles max)	50
Flammability	94V-0

Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Nylon
Net Weight	2.766/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Bag
PC Tail Length	3.58mm
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	Yes
Polarized to PCB	Yes
Shrouded	Partial
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
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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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