



**Part Number :** [22272051](#)

**Product Description :** KK 254 Header, Vertical, Square Pin, Friction Lock, 5 Circuits, 7.50mm Mating Pin Length, 3.56mm Tail Length, 2.54µm Matte Tin (Sn) Plating

**Series Number :** 6410

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** AE-6410-05A(222)



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## Documents and Resources

### Drawings

[022272051\\_sd.pdf](#)

[PK-6410-002-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-22-27-2051-001.zip](#)


### Specifications

[PS-99020-0088-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	6410
Description	KK 254 Header, Vertical, Square Pin, Friction Lock, 5 Circuits, 7.50mm Mating Pin Length, 3.56mm Tail Length, 2.54µm Matte Tin (Sn) Plating
Application	Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753589643

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

## Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Natural (White)
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	0.581/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.56mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partially Shrouded
Stackable	Yes
Temperature Range - Operating	-40° to +80°C

Termination Interface Style	Through Hole
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### 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>

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