# molex

Part Number: 38001396

Product Description: KK 254 PC Board Connector, Bottom Entry, with Cat Ear Terminal, 6 Circuits

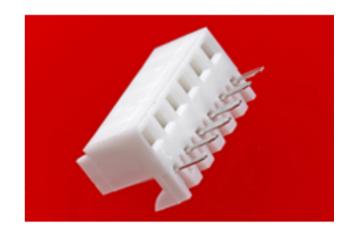
Series Number: 4455

**Status:** Active

**Product Category:** PCB Headers and

Receptacles

Engineering Number: A-4455-BH06F(P909)



#### **Documents & Resources**

#### **Drawings**

<u>038001396\_sd.pdf</u> PK-44646-001-001.pdf

## 3D Models and Design Files

038001396\_stp.zip

## Specifications

PS-10-07-001.pdf

PS-99020-0088-001.pdf

## **Product Environment Compliance**

## Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	<b>©</b>
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
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

## **Part Details**

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	4455
Description	KK 254 PC Board Connector, Bottom Entry, with Cat Ear Terminal, 6 Circuits
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	KK 254
UPC	800753585201

## Agency

CSA	LR19980
UL	E29179

### **Electrical**

Current - Maximum per Contact	2.5A
Grounding to PCB	No
Voltage - Maximum	500V

## **Physical**

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Natural (White)
Flammability	94V-0
Glow-Wire Capable	No

Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	0.736/g
Number of Rows	1
Orientation	Bottom Entry
Packaging Type	Tray
PC Tail Length	3.60mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to PCB	No
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

# Mates With / Use With

## Mates with Part(s)

Description	Part Number
KK 254 RPC Vertical Headers with Friction Lock	<u>171856</u>

KK 254 RPC Right-Angle Headers with Friction Lock	<u>171857</u>
KK 254 Single Row Vertical Headers	<u>4030</u>
KK 254 Single Row Right-Angle Headers	<u>4094</u>
KK 254 Vertical Breakaway Headers with Friction Lock	42375
KK 254 Right-Angle Breakaway Headers	42376
KK 254 Right-Angle Surface Mount Compatible Breakaway Headers	42377

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