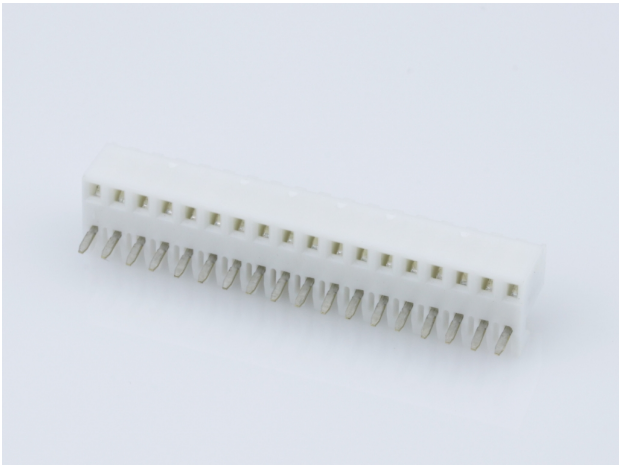




**Part Number :** [22142184](#)  
**Product Description :** KK 254 PC Board  
Connector, Bottom Entry, 2.54µm Tin (Sn), 18  
Circuits  
**Series Number :** 4455  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles  
**Engineering Number :** A-4455-BH18D(P909)



Documents & Resources


**Drawings**  
[022142184\\_sd.pdf](#)  
[PK-44646-001-001.pdf](#)

**3D Models and Design Files**  
[022142184\\_stp.zip](#)

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

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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	4455
Description	KK 254 PC Board Connector, Bottom Entry, 2.54µm Tin (Sn), 18 Circuits
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	KK 254
UPC	800753590564

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

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

#### Physical

Circuits (Loaded)	18
Circuits (maximum)	18
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	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	2.195/g
Number of Rows	1
Orientation	Bottom Entry
Packaging Type	Tray
PC Tail Length	3.35mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
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

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## 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	<u>42375</u>
KK 254 Right-Angle Breakaway Headers	<u>42376</u>
KK 254 Right-Angle Surface Mount Compatible Breakaway Headers	<u>42377</u>

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