



Part Number : [22173202](#)
Product Description : KK 254 PC Board Connector, Bottom Entry, 0.38µm Gold (Au) Selective, 20 Circuits
Series Number : 4455
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : A-4455-BH20D(208)



Documents & Resources

Drawings
[022173202_sd.pdf](#)
[PK-44646-001-001.pdf](#)

3D Models and Design Files
[022173202_stp.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)4144-DC (27 June 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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	4455
Description	KK 254 PC Board Connector, Bottom Entry, 0.38μm Gold (Au) Selective, 20 Circuits
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	KK 254
UPC	800754932769

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	20
Circuits (maximum)	20
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	No
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	2.421/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	0.381µm
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

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>