



Part Number : [22052161](#)
Product Description : KK 254 Wire-to-Board Header, Single Row, Right-Angle, 16 Circuits, PA Polyamide Nylon, Tin (Sn) Plating
Series Number : 4094
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : A-4094-16A197



Documents & Resources

Drawings
[Drawing 022052161_sd.pdf](#)
[Packaging Design Drawing PK-4094-001-001.pdf](#)

3D Models and Design Files
[3D Model 022052161_stp.zip](#)
[Symbol Footprint Data SYM-22-05-2161-001.zip](#)

Specifications
[Product Specification 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(2023)3788-DC (14 Jun 2023)
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	4094
Description	KK 254 Wire-to-Board Header, Single Row, Right-Angle, 16 Circuits, PA Polyamide Nylon, Tin (Sn) Plating
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Family	KK Interconnect Systems
Product Name	KK 254
UPC	800753591134

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural (White)

Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Resin	Nylon
Net Weight	1.290/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Bag
PC Tail Length	3.15mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
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

Mates With / Use With

Mates with Part(s)

Description	Part Number
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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