



Part Number : 38000090

Series Number : 6410

Product Category : PCB Headers and Receptacles

Product Description : KK 254 Wire-to-Board Header, Vertical Square Pin, 6 Circuits, Circuits 3, 4 & 5 Voided

Status : Active

Engineering Number : AE-6410-6A(197)-51

Documents & Resources

- Drawings**
- [Drawing 038000090_sd.pdf](#)
 - [Packaging Design Drawing PK-6410-002-001.pdf](#)
- 3D Models and Design Files**
- [3D Model 038000090_stp.zip](#)
- Specifications**
- [Product Specification PS-10-07-001.pdf](#)
 - [Product Specification PS-99020-0088-001.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	6410
Description	KK 254 Wire-to-Board Header, Vertical Square Pin, 6 Circuits, Circuits 3, 4 & 5 Voided
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Family	KK Interconnect Systems
Product Name	KK 254
UPC	822350019736

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	3.5A, 3.75A, 3.0A, 4.0A
Voltage - Maximum	500V

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	6
Color - Resin	Natural (White)
Durability (mating cycles max)	25
First Mate / Last Break	No
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	0.556/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.53mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
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