



Part Number : [22288060](#)

Product Description : KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 6 Circuits, Tin (Sn) Plating, Mating Pin Length 6.20mm

Series Number : 42377

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Number : 42377-0006



Documents & Resources

Drawings

[Drawing_022288060_sd.pdf](#)

[Packaging Design Drawing_PK-40873-0041-001.pdf](#)

3D Models and Design Files

[3D Model_022288060_stp.zip](#)

[3D Model PDF_022288060.pdf](#)

[Symbol Footprint Data_SYM-22-28-8061-001.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	Not 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	42377
Description	KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 6 Circuits, Tin (Sn) Plating, Mating Pin Length 6.20mm
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	KK Interconnect Systems
Product Name	KK 254
UPC	800754389273

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	6
Circuits (maximum)	6

Color - Resin	Black
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 - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.421/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Bag
PC Tail Length	3.05mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	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 Single Row Crimp Housings	<u>2695</u>
KK 254 Receptacle Housings	<u>7880</u>
KK 254 PC Board Connector	<u>4455</u>
2.54mm Pitch C-Grid Shunt Terminal Housings	<u>7859</u>

Application Tooling

Global

Description	Part Number
Cutting Tool for 2.54mm Centers Breakaway Headers, 2-80 Circuits	<u>0011201230</u>

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