molex



Part Number : 1718563003
Product Description : KK 254 RPC Vertical Header, 2.54mm Pitch, Friction Lock, Reflowed Matte Tin (Sn) Plating, 7.44mm Mating Pin Length, 2.34mm Tail Length, Tape and Reel, 3 Circuits
Series Number : 171856
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

1718563003_sd.pdf

PK-171856-0001-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-171856-0003-001.zip

Specifications

PS-171856-0001-001.pdf

PS-171856-0002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Downloaded from Arrow.com.

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	171856
Description	KK 254 RPC Vertical Header, 2.54mm Pitch, Friction Lock, Reflowed Matte Tin (Sn) Plating, 7.44mm Mating Pin Length, 2.34mm Tail Length, Tape and Reel, 3 Circuits
Application	Board-to-Board, Wire-to-Board
Comments	See Product Specification for maximum current rating by AWG; See Product Specification for operating temperature range by material.
Component Type	PCB Header
Product Name	KK 254
UPC	887191519883

Agency

CSA	LR19980
UL	E29179

Downloaded from Arrow.com.

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-1
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	0.332/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.34mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes

Downloaded from Arrow.com.

Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	Partially Shrouded
Stackable	Yes
Temperature Range - Operating	-40° to +80°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
KK 254 Single Row Crimp Housings	2695
KK 254 PC Board Connector	4455

Downloaded from Arrow.com.