molex



Part Number : 38006865
Product Description : KK Header, Vertical, Round Pin, 4 Circuits, Tin (Sn) Plating, Pin Length 39.68mm, Circuit 2 Voided
Series Number : 3003
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : 300304A02

Documents & Resources

Drawings

038006865_sd.pdf

30030001-PK-000.pdf

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-1008-1041-001.zip

Specifications

PS-99020-0087-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant per EU 2015/863

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	3003
Description	KK Header, Vertical, Round Pin, 4 Circuits, Tin (Sn) Plating, Pin Length 39.68mm, Circuit 2 Voided
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 508
UPC	800753729407

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	4.5A
Voltage - Maximum	250V

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-2
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	1.004/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.87mm, 3.94mm
Pitch - Mating Interface	2.00mm, 5.08mm
Pitch - Termination Interface	5.08mm
Plating min - Mating	2.500µm, 5.080µm
Plating min - Termination	0.762µm, 2.500µm
Polarized to Mating Part	No
Polarized to PCB	No, Yes
Shrouded	No
Stackable	No
Temperature Range - Operating	-40° to +105°C, 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 5.08mm Pitch Single Row Crimp Housings	3001
KK 5.08mm Pitch PC Board Connectors	3002