# molex

Part Number: 22102101

Product Description: KK 254 Wire-to-Board Header, Single Row, Vertical, 10 Circuits, PA Polyamide Nylon, Gold (Au) Plating

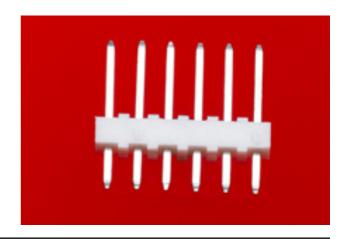
Series Number: 4030

Status: Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: A-4030-10A241



#### **Documents & Resources**

**Drawings** 

022102101\_sd.pdf PK-4030-001-001.pdf

3D Models and Design Files

022102101\_stp.zip

**Specifications** 

PS-10-07-001.pdf

# **Product Environment Compliance**

#### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	<b>©</b>
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 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	4030
Description	KK 254 Wire-to-Board Header, Single Row, Vertical, 10 Circuits, PA Polyamide Nylon, Gold (Au) Plating
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753737174

# Agency

CSA	LR19980
UL	E29179

#### **Electrical**

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

# **Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural (White)
Durability (mating cycles max)	100
Flammability	94V-0

Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	0.666/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.43mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.508µm
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 Receptacle Housings	7880
KK 254 PC Board Connector	<u>4455</u>
2.54mm Pitch C-Grid Shunt Terminal Housings	<u>7859</u>

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