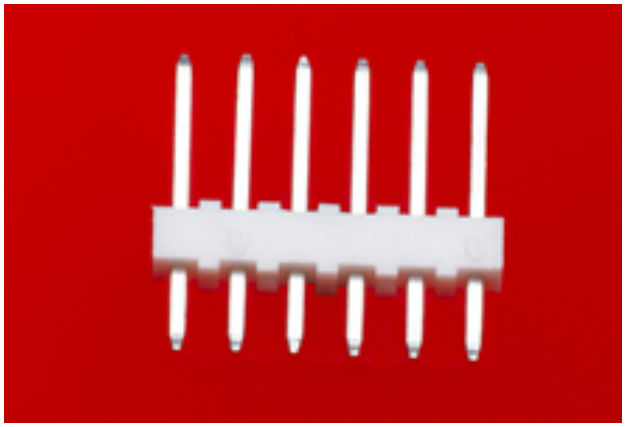
molex

Part Number : 22102141
Product Description : KK 254 Wire-to-Board Header, Single Row, Vertical, 14 Circuits, PA Polyamide Nylon, Gold (Au) Plating
Series Number : 4030
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : A-4030-14A241



Documents & Resources

Drawings
022102141_sd.pdf
PK-4030-001-001.pdf

3D Models and Design Files
022102141_stp.zip

Specifications
PS-10-07-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
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, 14 Circuits, PA Polyamide Nylon, Gold (Au) Plating
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753736412

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
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	0.933/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	2695

KK 254 Receptacle Housings	7880
KK 254 PC Board Connector	4455
2.54mm Pitch C-Grid Shunt Terminal Housings	7859