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molex

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Status:

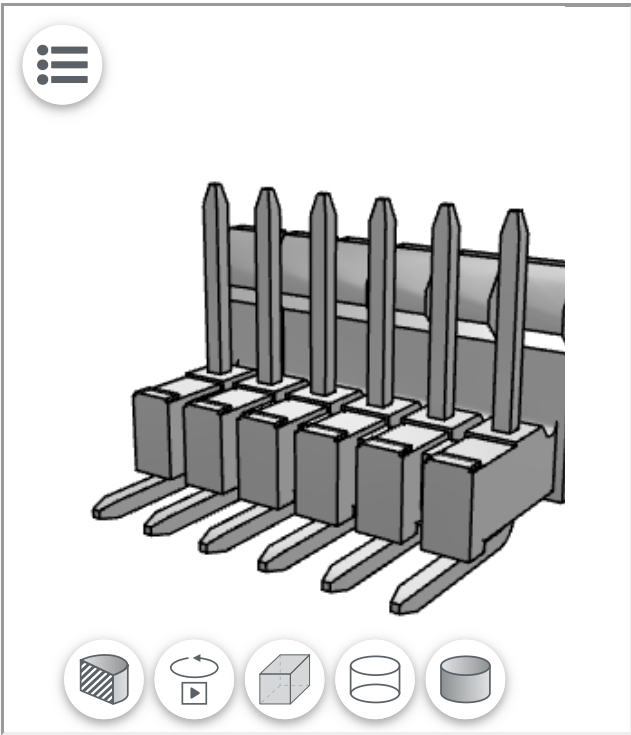
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Part Number: **22281061**



3D Viewer and CAD Download

KK 254 Breakaway Header, Right-Angle with Friction Lock, 6 Circuits, 0.38µm Gold (Au) Selective Plating

- **Series:** 42228
- **Category:** PCB Headers
- **Overview:** [KK® Interconnect System - Molex](#)

- **EngineeringOldPN:** 42228-0041

Request Samples

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 [Engineering Documents](#)  [Mates With/Use With](#)  [Environmental](#)  [Part Details](#)

Engineering Documents

Specifications & Other Documents:

- [Part Details \(PDF\)](#)
- [Product Specification PS-10-07-001.pdf](#)
- [Packaging Specification PK-40873-0056-001.pdf](#)

Sales Drawings, 3D Models, and Brochures:

- [Drawing \(PDF\)](#)
- [3D Model](#)
- [3D Model \(PDF\)](#)

Mates With/Use With

Mates With Part(s):

KK Crimp Housing [2695](#), [6471](#), [7880](#), KK PC Board Connector [4455](#)

Product Environmental Compliance

Compliance:

[EU ELV](#): Not Relevant

[EU RoHS](#): Compliant

[China RoHS](#): 

[REACH SVHC](#): Not Contained Per -ED/71/2019 (16 July 2019)

[Low-Halogen Status](#): Not Low-Halogen

Documents:

[EU RoHS Certificate of Compliance \(PDF\)](#)

[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)

Request Molex's CMRT from conflictminerals@molex.com

Part Details

Expand All

General

Status Active
Category PCB Headers
Series 42228
Application Signal, Wire-to-Board
Overview [KK® Interconnect System - Molex](#)
Product Name KK 254
UPC 800753800748

Physical

Breakaway	Yes
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	100
Flammability ⓘ	94V-0
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	0.867/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.05mm
PCB Locator	No
PCB Retention	None

PCB Thickness - Recommended 1.60mm
Packaging Type Bag
Pitch - Mating Interface 2.54mm
Plating min - Mating 0.381µm
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
Electrical

(Please review the Product Specification for specific details.)

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

(Please find UL Certificates by searching the UL Database using the Molex Series Number.) [Click here to visit the UL Database](#)

CSA LR19980
UL E29179
Solder Process Data

Solderability Shelf Life Statement

Duration at Max. Process Temperature (seconds) 005
Lead-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 235
Material Info

Engineering Number 42228-0041
Reference - Drawing Numbers

Packaging Specification PK-40873-0056-001
Product Specification PS-10-07-001
Sales Drawing SD-42228-001-001

Do you have any questions?

[Contact Us](#)

California Proposition 65 Information

This product contains Prop 65 substances, the following warning may be required based on application and use:

WARNING: This product can expose you to , known to the State of California to cause .