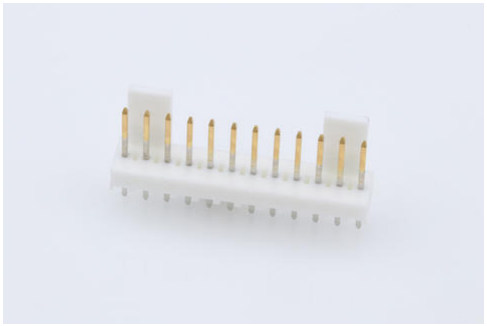
molex



Part Number : 22292121
Product Description : KK 254 Header, Vertical, Square Pin, Friction Lock, 12 Circuits, 7.50mm Mating Pin Length, 3.56mm Tail Length, 0.51µm Gold (Au) Plating
Series Number : 6410
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : AE-6410-12A(241)

Documents and Resources

Drawings

022292121_sd.pdf

PK-6410-002-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-22-27-2121-001.zip

Specifications

PS-99020-0088-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 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)

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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	6410
Description	KK 254 Header, Vertical, Square Pin, Friction Lock, 12 Circuits, 7.50mm Mating Pin Length, 3.56mm Tail Length, 0.51µm Gold (Au) Plating
Application	Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753735927

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	4.0A

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Voltage - Maximum	500V AC

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural (White)
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
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	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	1.238/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.56mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.510µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partially Shrouded

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Stackable	Yes
Temperature Range - Operating	-40° to +80°C
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

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