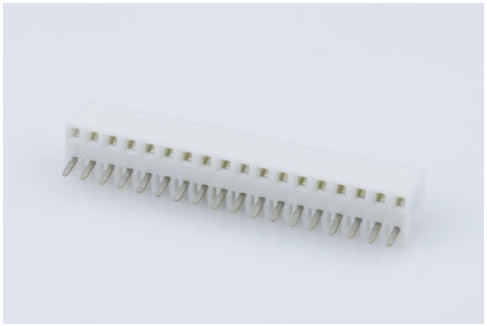
molex



Part Number : 22142184
Product Description : KK 254 PC Board Connector, Bottom Entry, End-to-End Stackable, 2.54µm Tin (Sn) Plating, 18 Circuits
Series Number : 4455
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : A-4455-BH18D(P909)

Documents and Resources

Drawings

022142184_sd.pdf

PK-44646-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-10-07-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

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- 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	4455
Description	KK 254 PC Board Connector, Bottom Entry, End-to-End Stackable, 2.54µm Tin (Sn) Plating, 18 Circuits
Application	Board-to-Board
Component Type	PCB Receptacle
Product Name	KK 254
UPC	800753590564

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	500V

Physical

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Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Natural (White)
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Gender	Female
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	No
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	2.195/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.35mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to PCB	No
Stackable	Yes
Temperature Range - Operating	-40° to +80°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5

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Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

Mates With / Use With

Mates with Part(s)

Description	Part Number
KK 254 RPC Vertical Headers with Friction Lock	171856
KK 254 RPC Right-Angle Headers with Friction Lock	171857
KK 254 Single Row Vertical Headers	4030
KK 254 Single Row Right-Angle Headers	4094
KK 254 Vertical Breakaway Headers with Friction Lock	42375
KK 254 Right-Angle Breakaway Headers	42376
KK 254 Right-Angle Surface Mount Compatible Breakaway Headers	42377

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