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Part Number: [0022436020](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: 2.50mm Pitch SPOX™ Header, Shrouded, Staggered Footprint, 2 Circuits, White

Documents:

3D Model	Application Specification AS-42249-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-42249-0001 (PDF)
Product Specification PS-42219-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42249
Application	Signal, Wire-to-Board
Overview	KK® Interconnect System - Molex
Product Name	SPOX™
UPC	800754313445

Physical

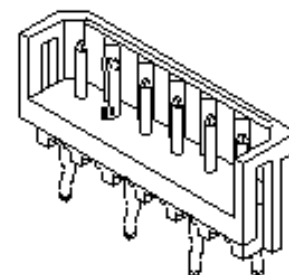
Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	0.201/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.30mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.50mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	3.0A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[42249 Series](#)

Mates With

[42219](#)

Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

Material Info

Engineering Number	A-42249-2A
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Reference - Drawing Numbers

Application Specification	AS-42249-001-001
Packaging Specification	PK-42249-0001
Product Specification	PS-42219-0001-001
Sales Drawing	SDA-42249-*

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