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**Part Number:** [0022436050](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 2.50mm Pitch SPOX™ Header, Shrouded, Staggered Footprint, 5 Circuits, White

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-42249-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-42249-0001 (PDF)</a>
<a href="#">Product Specification PS-42219-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">42249</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">KK® Interconnect System - Molex</a>
Product Name	SPOX™
UPC	800753588875

**Physical**

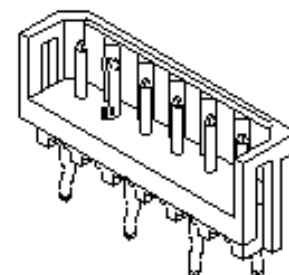
Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Natural
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	0.426/g
Number of Rows	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](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42249 Series](#)

**Mates With**

[42219](#)

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

**Material Info**

Engineering Number	A-42249-5A
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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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