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**Part Number:**

**0022280050**

**Status:**

**Active**

**Description:**

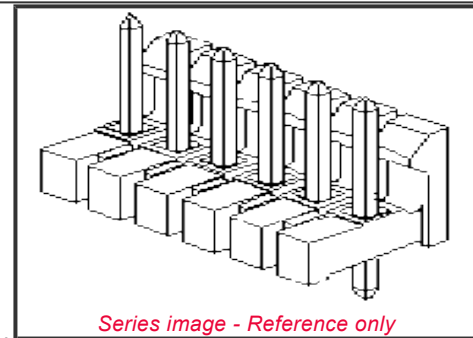
2.54mm (.100") Pitch KK® Header, Breakaway, Vertical, with Friction Lock, 5 Circuits, Tin (Sn) Plating

**Documents:** *Note - Please disable browser pop-up blockers for documents on www.molex.com*

[Drawing \(PDF\)](#)

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**EU RoHS**  
**ELV and RoHS**  
**Compliant**

**REACH SVHC**  
**Contains SVHC: No**

**Halogen-Free**  
**Status**  
**Not Halogen-Free**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

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**General**

Product Family	PCB Headers
Series	<a href="#">42227</a>
Application	Wire-to-Board
Product Name	KK®

**Physical**

Breakaway	Yes
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.120 In
PC Tail Length (mm)	3.05 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.5
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

**Electrical**(Please review the Product Specification for specific details.)

Current - Maximum per Contact	4A
Voltage - Maximum	250V

**Agency Certification**

CSA	LR19980
UL	E29179

**Solder Process Data**

Duration at Max. Process Temperature 5  
(seconds)

Lead-free Process Capability      Wave Capable (TH only)

Max. Cycles at Max. Process  
Temperature      1

Process Temperature max. C      235

**Material Info**

Old Part Number      42227-0005

**Reference - Drawing Numbers**

Product Specification      PS-10-07

Sales Drawing      SD-42227-001