

# Product Compliance Declaration

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## Contact Information

**Name** Molex Product Compliance **E-Mail** Product.Compliance@molex.com

## Part Information

**Part Number** 0022272021 **Part Weight** 0.218G

**Part Name** 2.54mm KK Hdr Vt FricLK VrA 5Sn 2Ckt

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
2.54mm KK Hdr Vt FricLK VrA 5Sn 2Ckt	Assembly		100	0.218
.560 x .0261 Sq Brass Bando Pin Tin	Assembly		47.7064	0.104
.560 x .0261 Sq Brass Bando Pin Unplated	Component		44.9541	0.098
Cartridge Brass 70% Unplated	Material		44.9541	0.098
Copper	Substance	7440-50-8	31.4679	0.0686
Zinc (metal)	Substance	7440-66-6	13.4862	0.0294
Tin Plating	Material		1.7431	0.0038
Tin	Substance	7440-31-5	1.7431	0.0038
Nickel Plating	Material		1.0092	0.0022
Nickel	Substance	7440-02-0	1.0091	0.0022
Further Additives, not to declare	Substance	system	0.0001	2E-07
KK100 FR LOCK WAFER 6410-02 2 CKT	Component		52.2936	0.114
PA66 WHITE	Material		52.2936	0.114

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Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
PA66	Substance		44.4495	0.0969
Flame Retardant, ISO 1043-4 FR(30)	Substance		5.2294	0.0114
Further Additives, not to declare	Substance	system	2.6147	0.0057

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## ROHS Declaration Information

**Regulatory Revision** EU 2015/863

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

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## REACH-SVHC Declaration Information

**Regulatory Revision** D(2020)9139-DC (19 Jan 2021)

### Contained Substances Exceeding Threshold

None

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## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
lead	Cartridge Brass 70% (CA260)	*Note	350	Yes
lead	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
copper	Cartridge Brass 70% (CA260)	*Note	700,000	Yes

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**\*Note:** For GADSL substance declarable/prohibited threshold values, please reference <http://www.gadsl.org/>

## Exemptions

Part Name	Exemption
Cartridge Brass 70% (CA260)	44 Concentration within acceptable GADSL limits
e-plate Sn (electrodeposited Tin Coatings, bright and matt)	44 Concentration within acceptable GADSL limits
Ep-Ni	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm <sup>2</sup> /week)


## HFLH Declaration Information

**Regulatory Revision** IEC 61249-2-21

## Contained Substances Exceeding Threshold

None

## China ROHS Declaration Information

Part Number 0022272021							
Part Name 2.54mm KK Hdr Vt FricLK VrA 5Sn 2Ckt							
Part Information		<b>Hazardous Substances</b>					
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
2.54mm KK Hdr Vt FricLK VrA 5Sn 2Ckt		○	○	○	○	○	○
.560 x .0261 Sq Brass Bando Pin Tin		○	○	○	○	○	○
.560 x .0261 Sq Brass Bando Pin Unplated		○	○	○	○	○	○
KK100 FR LOCK WAFER 6410-02 2 CKT		○	○	○	○	○	○

## Process Information

Component Plating / Surface Finish	M5Sn-Ni
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE

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Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	235
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

Apr 18, 2021

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