

# Product Compliance Declaration

Please see [www.molex.com](http://www.molex.com) for the most up-to-date information.

## Contact Information

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

## Part Information

**Part Number** 0022292121 **Part Weight** 1.238175G

**Part Name** 2.54mm KK Hdr Vt FricLK VrA .5Au 12Ckt

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
2.54mm KK Hdr Vt FricLK VrA .5Au 12Ckt	Assembly		100	1.238175
.560 x .0261 Sq Brass Bando Pin 20SAu	Assembly		49.4417	0.612175
.560 x .0261 Sq Brass Bando Pin Unplated	Component		47.4892	0.588
Cartridge Brass 70% Unplated	Material		47.4892	0.588
Copper	Substance	7440-50-8	33.2425	0.4116
Zinc (metal)	Substance	7440-66-6	14.2468	0.1764
Tin Plating	Material		0.4825	0.005975
Tin	Substance	7440-31-5	0.4825	0.005975
Nickel Plating	Material		1.2599	0.0156
Nickel	Substance	7440-02-0	1.2598	0.015598
Further Additives, not to declare	Substance	system	0.0001	0.000002
Gold Plating	Material		0.21	0.0026
Cobalt	Substance	7440-48-4	0.0005	0.000007

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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)
Nickel	Substance	7440-02-0	0.0005	0.000007
Gold	Substance	7440-57-5	0.209	0.002587
KK100 FR LOCK WAFER 6410-12 12 Ckt	Component		50.5583	0.626
PA66 WHITE	Material		50.5583	0.626
PA66	Substance		42.9745	0.5321
Flame Retardant, ISO 1043-4 FR(30)	Substance		5.0558	0.0626
Further Additives, not to declare	Substance	system	2.5279	0.0313

## ROHS Declaration Information

**Regulatory Revision** EU 2015/863

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

## REACH-SVHC Declaration Information

**Regulatory Revision** D(2021)4569-DC (8 July 2021)

### Contained Substances Exceeding Threshold

None

## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
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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]	e-plate Au (Hardgold) (electrodeposited Hardgold)	*Note	2,500	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
Cobalt	e-plate Au (Hardgold) (electrodeposited Hardgold)	*Note	2,500	Yes
copper	Cartridge Brass 70% (CA260)	*Note	700,000	Yes

\*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
e-plate Au (Hardgold) (electrodeposited Hardgold Coatings)	34 Not applicable
Ep-Ni	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week)


### HFLH Declaration Information

Regulatory Revision IEC 61249-2-21

### Contained Substances Exceeding Threshold

None

### China ROHS Declaration Information

Part Number 0022292121		<b>Hazardous Substances</b>				
Part Name 2.54mm KK Hdr Vt FricLK VrA .5Au 12Ckt						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
2.54mm KK Hdr Vt FricLK VrA .5Au 12Ckt	○	○	○	○	○	○
.560 x .0261 Sq Brass Bando Pin 20SAu	○	○	○	○	○	○

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
.560 x .0261 Sq Brass Bando Pin Unplated	○	○	○	○	○	○
KK100 FR LOCK WAFER 6410-12 12 Ckt	○	○	○	○	○	○

## Additional Information

Annex XVII to REACH (76/769/EEC)	Compliant
Regulation (EU) 2019/1021 (POP)	Compliant

## Process Information

Component Plating / Surface Finish	MSn-Ni
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE
Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	235
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

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