

Product Compliance Declaration

Please see 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 0022292021 **Part Weight** 0.216029G

Part Name 2.54mm KK Hdr Vt FricLK VrA .5Au 2Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
2.54mm KK Hdr Vt FricLK VrA .5Au 2Ckt	Assembly		100	0.216029
.560 x .0261 Sq Brass Bando Pin 20SAu	Assembly		47.2294	0.102029
.560 x .0261 Sq Brass Bando Pin Unplated	Component		45.3642	0.098
Cartridge Brass 70% Unplated	Material		45.3642	0.098
Copper	Substance	7440-50-8	31.755	0.0686
Zinc (metal)	Substance	7440-66-6	13.6093	0.0294
Tin Plating	Material		0.461	0.000996
Tin	Substance	7440-31-5	0.461	0.000996
Nickel Plating	Material		1.2035	0.0026
Nickel	Substance	7440-02-0	1.2034	0.0026
Further Additives, not to declare	Substance	system	0.0001	3E-07
Gold Plating	Material		0.2006	0.000433
Cobalt	Substance	7440-48-4	0.0005	0.000001

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Nickel	Substance	7440-02-0	0.0005	0.000001
Gold	Substance	7440-57-5	0.1996	0.000431
KK100 FR LOCK WAFER 6410-02 2 CKT	Component		52.7706	0.114
PA66 WHITE	Material		52.7706	0.114
PA66	Substance		44.855	0.0969
Further Additives, not to declare	Substance	system	2.6385	0.0057
Flame Retardant, ISO 1043-4 FR(30)	Substance		5.2771	0.0114

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(2020)4578-DC (25 June 2020)

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	e-plate Au (Hardgold) (electrodeposited Hardgold)	*Note	2,500	Yes
Nickel	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)	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm ² /week)
Ep-Ni	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm ² /week)


HFLH Declaration Information

Regulatory Revision IEC 61249-2-21

Contained Substances Exceeding Threshold

None

China ROHS Declaration Information

Part Number	0022292021		Hazardous Substances				
Part Name	2.54mm KK Hdr Vt FricLK VrA .5Au 2Ckt						
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
2.54mm KK Hdr Vt FricLK VrA .5Au 2Ckt		○	○	○	○	○	○
.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 6410-02 2 CKT	○	○	○	○	○	○

Process Information

Component Plating / Surface Finish	NiAu
Termination Base Alloy	Brass
Solder Alloy	SnAgCu
Process Capability	WAVE
Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	232
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	3

Aug 30, 2020

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