

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 0022292041 **Part Weight** 0,456058G

Part Name 2.54mm KK Hdr Vt FricLK VrA .5Au 4Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
2.54mm KK Hdr Vt FricLK VrA .5Au 4Ckt	Assembly		100	0,456058
.560 x .0261 Sq Brass Bando Pin 20SAu	Assembly		44,7439	0,204058
.560 x .0261 Sq Brass Bando Pin Unplated	Component		42,977	0,196
Cartridge Brass 70% Unplated	Material		42,977	0,196
Copper	Substance	7440-50-8	30,0839	0,1372
Zinc (metal)	Substance	7440-66-6	12,8931	0,0588
Tin Plating	Material		0,4367	0,001992
Tin	Substance	7440-31-5	0,4367	0,001992
Nickel Plating	Material		1,1402	0,0052
Nickel	Substance	7440-02-0	1,1401	0,005199
Further Additives	Substance	system	0,0001	5E-7
Gold Plating	Material		0,1901	0,000867
Cobalt	Substance	7440-48-4	0,0005	0,000002

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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	0,000002
Gold	Substance	7440-57-5	0,1891	0,000862
KK100 FR LOCK WAFER 6410-04 4 CKT	Component		55,2561	0,252
PA66 UF WHITE	Material		55,2561	0,252
PA66	Substance		46,9677	0,2142
Further Additives	Substance	system	2,7628	0,0126
Flame Retardant, ISO 1043-4 FR(30)	Substance		5,5256	0,0252

ROHS Declaration Information

Regulatory Revision EU 2015/863

Compliance Status Compliant

Contained Substances Exceeding Threshold

None

Exemptions

None

REACH-SVHC Declaration Information

Regulatory Revision ED/71/2019 (16 July 2019)

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	150	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	0022292041		Hazardous Substances				
Part Name	2.54mm KK Hdr Vt FricLK VrA .5Au 4Ckt						
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
2.54mm KK Hdr Vt FricLK VrA .5Au 4Ckt		○	○	○	○	○	○
.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 6410-04 4 CKT	○	○	○	○	○	○

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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