

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 0022122104 **Part Weight** 1.311223G

Part Name KK 100 HDR FRLK RTAN 10 CKT GOLD

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 HDR FRLK RTAN 10 CKT GOLD	Assembly		100	1.311223
.740 x .0261 Sq Brass Bando Pin 20SAu	Assembly		51.877	0.680223
.740 x .0261 Sq Brass Bando Pin Unplated	Component		50.3347	0.66
Cartridge Brass 70% Unplated	Material		50.3347	0.66
Copper	Substance	7440-50-8	35.2343	0.462
Zinc (metal)	Substance	7440-66-6	15.1004	0.198
Tin Plating	Material		0.3059	0.004011
Tin	Substance	7440-31-5	0.3059	0.004011
Nickel Plating	Material		1.0677	0.014
Nickel	Substance	7440-02-0	1.0676	0.013999
Further Additives, not to declare	Substance	system	0.0001	0.000001
Gold Plating	Material		0.1687	0.002212
Cobalt	Substance	7440-48-4	0.0004	0.000006

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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	0.0004	0.000006
Gold	Substance	7440-57-5	0.1679	0.002201
KK 100 Header FrLk 10 ckt	Component		48.123	0.631
PA66 WHITE	Material		48.123	0.631
PA66	Substance		40.9046	0.53635
Flame Retardant, ISO 1043-4 FR(30)	Substance		4.8123	0.0631
Further Additives, not to declare	Substance	system	2.4062	0.03155

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)9139-DC (19 Jan 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		*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
	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	0022122104		Hazardous Substances				
Part Name	KK 100 HDR FRLK RTAN 10 CKT GOLD						
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 HDR FRLK RTAN 10 CKT GOLD		○	○	○	○	○	○
.740 x .0261 Sq Brass Bando Pin 20SAu		○	○	○	○	○	○

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
.740 x .0261 Sq Brass Bando Pin Unplated	○	○	○	○	○	○
KK 100 Header FrLk 10 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

Mar 24, 2021

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