

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 0022122044 **Part Weight** 0.517089G

Part Name KK 100 HDR FRLK RTAN 04 CKT GOLD

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 HDR FRLK RTAN 04 CKT GOLD	Assembly		100	0.517089
KK 100 Header FrLk 04 ckt	Component		47.3806	0.245
PA66/6 NATURAL	Material		47.3806	0.245
PA66/6	Substance		41.6949	0.2156
Flame Retardant, ISO 1043-4 FR(30)	Substance		4.7381	0.0245
Further Additives, not to declare	Substance	system	0.9476	0.0049
.740 x .0261 Sq Brass Bando Pin 20SAu	Assembly		52.6194	0.272089
.740 x .0261 Sq Brass Bando Pin Unplated	Component		51.055	0.264
Cartridge Brass 70% Unplated	Material		51.055	0.264
Copper	Substance	7440-50-8	35.7385	0.1848
Zinc (metal)	Substance	7440-66-6	15.3165	0.0792
Tin Plating	Material		0.3103	0.001604
Tin	Substance	7440-31-5	0.3103	0.001604

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Nickel Plating	Material		1.083	0.0056
Nickel	Substance	7440-02-0	1.0829	0.005599
Further Additives, not to declare	Substance	system	0.0001	6E-07
Gold Plating	Material		0.1711	0.000885
Cobalt	Substance	7440-48-4	0.0004	0.000002
Nickel	Substance	7440-02-0	0.0004	0.000002
Gold	Substance	7440-57-5	0.1703	0.00088

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	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 0022122044		Hazardous Substances					
Part Name KK 100 HDR FRLK RTAN 04 CKT GOLD							
Part Information							
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE	
KK 100 HDR FRLK RTAN 04 CKT GOLD	○	○	○	○	○	○	
KK 100 Header FrLk 04 ckt	○	○	○	○	○	○	

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
.740 x .0261 Sq Brass Bando Pin 20SAu	○	○	○	○	○	○
.740 x .0261 Sq Brass Bando Pin Unplated	○	○	○	○	○	○

Process Information

Component Plating / Surface Finish	M Sn-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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