

# Product Compliance Declaration

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## Contact Information

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

## Part Information

**Part Number** 0022112048 **Part Weight** 0.449054G

**Part Name** KK 100 Hdr FrLk Vert 04 Ckt Gold

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr FrLk Vert 04 Ckt Gold	Assembly		100	0.449054
.560 x .0261 Sq Brass Bando Pin 30SAu	Assembly		45.4409	0.204054
.560 x .0261 Sq Brass Bando Pin Unplated	Component		43.6473	0.196
Cartridge Brass 70% Unplated	Material		43.6473	0.196
Copper	Substance	7440-50-8	30.5531	0.1372
Zinc (metal)	Substance	7440-66-6	13.0942	0.0588
Tin Plating	Material		0.3749	0.001684
Tin	Substance	7440-31-5	0.3749	0.001684
Nickel Plating	Material		0.9798	0.0044
Nickel	Substance	7440-02-0	0.9797	0.0044
Further Additives	Substance	system	1E-4	4E-7
Gold Plating	Material		0.4388	0.00197
Cobalt	Substance	7440-48-4	0.0011	0.000005

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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	0.0011	0.000005
Gold	Substance	7440-57-5	0.4366	0.001961
KK 100 Header FrLk 04 ckt	Component		54.5591	0.245
PA66 UF NATURAL	Material		54.5591	0.245
PA66	Substance		46.3753	0.20825
Further Additives	Substance	system	2.728	0.01225
Flame Retardant, ISO 1043-4 FR(30)	Substance		5.4559	0.0245

## ROHS Declaration Information

**Regulatory Revision** 2011/65/EU

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

## REACH-SVHC Declaration Information

**Regulatory Revision** ED/30/2017 (7 July 2017)

### 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/cm2/week)
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 0022112048		<b>Hazardous Substances</b>					
Part Name KK 100 Hdr FrLk Vert 04 Ckt Gold							
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr FrLk Vert 04 Ckt Gold		○	○	○	○	○	○
.560 x .0261 Sq Brass Bando Pin 30SAu		○	○	○	○	○	○

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
.560 x .0261 Sq Brass Bando Pin Unplated	○	○	○	○	○	○
KK 100 Header FrLk 04 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

Jul 26, 2017

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