

# Product Compliance Declaration

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## Contact Information

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

## Part Information

**Part Number** 0022102071 **Part Weight** 0.466102G

**Part Name** "KK 100 Hdr Flat Vert 20 Au 7Ckt""

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
"KK 100 Hdr Flat Vert 20 Au 7Ckt""	Assembly		100	0.466102
KK 100 Header Flat 07 Ckt 4030-07	Component		23.3854	0.109
PA66 WHITE	Material		23.3854	0.109
PA66	Substance		19.8776	0.09265
Flame Retardant, ISO 1043-4 FR(30)	Substance		2.3385	0.0109
Further Additives, not to declare	Substance	system	1.1693	0.00545
.560 x .0261 Sq Brass Bando Pin 20SAu	Assembly		76.6146	0.357102
.560 x .0261 Sq Brass Bando Pin Unplated	Component		73.589	0.343
Cartridge Brass 70% Unplated	Material		73.589	0.343
Copper	Substance	7440-50-8	51.5123	0.2401
Zinc (metal)	Substance	7440-66-6	22.0767	0.1029
Tin Plating	Material		0.7478	0.003485
Tin	Substance	7440-31-5	0.7478	0.003485

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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 Plating	Material		1.9524	0.0091
Nickel	Substance	7440-02-0	1.9522	0.009099
Further Additives, not to declare	Substance	system	0.0002	9E-07
Gold Plating	Material		0.3254	0.001517
Cobalt	Substance	7440-48-4	0.0008	0.000004
Nickel	Substance	7440-02-0	0.0008	0.000004
Gold	Substance	7440-57-5	0.3238	0.001509

## 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 0022102071		<b>Hazardous Substances</b>					
Part Name "KK 100 Hdr Flat Vert 20 Au 7Ckt""							
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
"KK 100 Hdr Flat Vert 20 Au 7Ckt""		○	○	○	○	○	○
KK 100 Header Flat 07 Ckt 4030-07		○	○	○	○	○	○

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

## 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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