

# Product Compliance Declaration

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## Contact Information

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

## Part Information

**Part Number** 0022032031 **Part Weight** 0.200015G

**Part Name** KK 100 Hdr Flat Vert Tin 3Ckt

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Flat Vert Tin 3Ckt	Assembly		100	0.200015
.560 x .0261 Sq Brass Bando Pin Tin	Assembly		76.5017	0.153015
.560 x .0261 Sq Brass Bando Pin Unplated	Component		73.4946	0.147
Cartridge Brass 70% Unplated	Material		73.4946	0.147
Copper	Substance	7440-50-8	51.4462	0.1029
Zinc (metal)	Substance	7440-66-6	22.0484	0.0441
Tin Plating	Material		1.3573	0.002715
Tin	Substance	7440-31-5	1.3573	0.002715
Nickel Plating	Material		1.6499	0.0033
Nickel	Substance	7440-02-0	1.6497	0.0033
Further Additives	Substance	system	0.0002	3E-7
KK 100 Header Flat 03 Ckt 4030-03	Component		23.4983	0.047
PA66 UF NATURAL	Material		23.4983	0.047

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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)
PA66	Substance		19.9735	0.03995
Further Additives	Substance	system	1.1749	0.00235
Flame Retardant, ISO 1043-4 FR(30)	Substance		2.3498	0.0047

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## ROHS Declaration Information

**Regulatory Revision** 2011/65/EU

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

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## REACH-SVHC Declaration Information

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

### Contained Substances Exceeding Threshold

None

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## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

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	Ep-Ni	*Note	997,500	Yes
Copper	Cartridge Brass 70% (CA260)	*Note	700,000	Yes

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**\*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
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 0022032031		<b>Hazardous Substances</b>					
Part Name KK 100 Hdr Flat Vert Tin 3Ckt							
Part Information							
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE	
KK 100 Hdr Flat Vert Tin 3Ckt	○	○	○	○	○	○	
.560 x .0261 Sq Brass Bando Pin Tin	○	○	○	○	○	○	
.560 x .0261 Sq Brass Bando Pin Unplated	○	○	○	○	○	○	
KK 100 Header Flat 03 Ckt 4030-03	○	○	○	○	○	○	

## Process Information

Component Plating / Surface Finish	MSn-RNi
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE

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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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