

# Product Compliance Declaration

Please see [www.molex.com](http://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** 0022283020 **Part Weight** 0.24406G

**Part Name** KK 100 Hdr Pol Vert 02 Ckt Tin

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Pol Vert 02 Ckt Tin	Assembly		100	0.24406
.540 x .0255 Sq Bandolier Pin Tin	Assembly		40.9736	0.1
.540 x .0255 Sq Bandolier Pin Unplated	Component		40.1541	0.098
Cartridge Brass 70% Unplated	Material		40.1541	0.098
Copper	Substance	7440-50-8	28.1079	0.0686
Zinc (metal)	Substance	7440-66-6	12.0462	0.0294
Nickel Plating	Material		0.0334	0.000082
Nickel	Substance	7440-02-0	0.0334	0.000082
Further Additives, not to declare	Substance	system	3E-06	8E-09
Tin Plating	Material		0.786	0.001918
Tin	Substance	7440-31-5	0.786	0.001918
.100 BREAKAWAY POLARIZING 41410	Component		59.0264	0.14406
PA66/6 GF24 BLACK	Material		59.0264	0.14406

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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)
PA66/6	Substance		30.6161	0.074722
Flame Retardant, ISO 1043-4 FR(17)	Substance		8.2249	0.020074
GF-Fibre	Substance		14.1663	0.034574
Antimonytrioxide	Substance	1309-64-4	2.9319	0.007156
Boric acid, zinc salt	Substance	1332-07-6	0.8868	0.002164
Diundecyl phthalate, branched and linear	Substance	85507-79-5	1.1611	0.002834
Carbon black	Substance	1333-86-4	0.6014	0.001468
Further Additives, not to declare	Substance	system	0.4379	0.001069

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## ROHS Declaration Information

**Regulatory Revision** EU 2015/863

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

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## REACH-SVHC Declaration Information

**Regulatory Revision** D(2020)9139-DC (19 Jan 2021)

### Contained Substances Exceeding Threshold

None

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## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

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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
Antimonytrioxide	PA66/6 GF24 BLACK	*Note	40,000	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
copper	Cartridge Brass 70% (CA260)	*Note	700,000	Yes
glass, oxide, chemicals	PA66/6 GF24 BLACK	*Note	240,000	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
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

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Chlorine and its compounds	PA66/6 GF24 BLACK	900	100,000	Yes
Bromine and Chlorine combined	PA66/6 GF24 BLACK	1,500	160,000	Impurity

## China ROHS Declaration Information

Part Number 0022283020		<b>Hazardous Substances</b>					
Part Name KK 100 Hdr Pol Vert 02 Ckt Tin							
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr Pol Vert 02 Ckt Tin	○	○	○	○	○	○
.540 x .0255 Sq Bandolier Pin Tin	○	○	○	○	○	○
.540 x .0255 Sq Bandolier Pin Unplated	○	○	○	○	○	○
.100 BREAKAWAY POLARIZING 41410	○	○	○	○	○	○

## Process Information

Component Plating / Surface Finish	BSn-Ni
Termination Base Alloy	P-Bronze
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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