

# 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** 0022288031 **Part Weight** 0.230977G

**Part Name** KK 100 Hdr Assy RA Bkwy 03 Ckt Tin

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Assy RA Bkwy 03 Ckt Tin	Assembly		100	0.230977
.100 CTR BREAKAWAY- FLAT COMPONENT	Component		24.6679	0.056977
PA46 GF BLACK	Material		24.6679	0.056977
PA46	Substance		10.7059	0.024728
GF-Fibre	Substance		7.4004	0.017093
Flame Retardant, ISO 1043-4 FR(17)	Substance		4.8102	0.011111
Antimonytrioxide	Substance	1309-64-4	1.3567	0.003134
Carbon black	Substance	1333-86-4	0.1233	0.000285
Further Additives, not to declare	Substance	system	0.2713	0.000627
.630 x .0255 Sq Bandolier Pin Tin	Assembly		75.3321	0.174
.630 x .0255 Sq Bandolier Pin Unplated	Component		74.0333	0.171
Cartridge Brass 70% Unplated	Material		74.0333	0.171
Copper	Substance	7440-50-8	51.8233	0.1197

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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)
Zinc (metal)	Substance	7440-66-6	22.21	0.0513
Tin Plating	Material		0.8087	0.001868
Tin	Substance	7440-31-5	0.8087	0.001868
Nickel Plating	Material		0.4902	0.001132
Nickel	Substance	7440-02-0	0.4901	0.001132
Further Additives, not to declare	Substance	system	5E-05	1E-07

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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)4578-DC (25 June 2020)

### 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

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
lead	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
Antimonytrioxide	PA46 GF BLACK	*Note	55,000	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	PA46 GF BLACK	*Note	300,000	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
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
Bromine and its compounds	PA46 GF BLACK	900	195,000	Yes
Bromine and Chlorine combined	PA46 GF BLACK	1,500	195,000	Yes

## China ROHS Declaration Information

Part Number 0022288031		<b>Hazardous Substances</b>					
Part Name KK 100 Hdr Assy RA Bkwy 03 Ckt Tin							
Part Information							
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE	
KK 100 Hdr Assy RA Bkwy 03 Ckt Tin	○	○	○	○	○	○	

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
.100 CTR BREAKAWAY- FLAT COMPONENT	O	O	O	O	O	O
.630 x .0255 Sq Bandolier Pin Tin	O	O	O	O	O	O
.630 x .0255 Sq Bandolier Pin Unplated	O	O	O	O	O	O

## 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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