

# 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** 0022284023 **Part Weight** 0.133248G

**Part Name** KK 100 Hdr Assy Bkwy 02 Ckt 15 SGold

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Assy Bkwy 02 Ckt 15 SGold	Assembly		100	0.133248
.100 CTR BREAKAWAY- FLAT COMPONENT	Component		36.9596	0.049248
PA46 GF BLACK	Material		36.9596	0.049248
PA46	Substance		16.0405	0.021374
GF-Fibre	Substance		11.0879	0.014774
Flame Retardant, ISO 1043-4 FR(17)	Substance		7.2071	0.009603
Antimonytrioxide	Substance	1309-64-4	2.0328	0.002709
Carbon black	Substance	1333-86-4	0.1848	0.000246
Further Additives, not to declare	Substance	system	0.4066	0.000542
.455 x .0255 Sq Bandolier Pin 15"SAu	Assembly		63.0404	0.084
.455 x .0255 Sq Bandolier Pin Unplated	Component		61.5393	0.082
Cartridge Brass 70% Unplated	Material		61.5393	0.082
Copper	Substance	7440-50-8	43.0775	0.0574

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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	18.4618	0.0246
Gold Plating	Material		0.1381	0.000184
Cobalt	Substance	7440-48-4	0.0003	5E-07
Nickel	Substance	7440-02-0	0.0003	5E-07
Gold	Substance	7440-57-5	0.1374	0.000183
Nickel Plating	Material		0.9659	0.001287
Nickel	Substance	7440-02-0	0.9658	0.001287
Further Additives, not to declare	Substance	system	1E-04	1E-07
Tin Plating	Material		0.3972	0.000529
Tin	Substance	7440-31-5	0.3972	0.000529

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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(2022)4187-DC (10 June 2022)

### 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	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
Lead	Cartridge Brass 70% (CA260)	*Note	350	Yes
Antimonytrioxide	PA46 GF BLACK	*Note	55,000	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
e-plate Sn (electrodeposited Tin Coatings, bright and matt)	44 Concentration within acceptable GADSL limits
Cartridge Brass 70% (CA260)	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

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Bromine and Chlorine combined	PA46 GF BLACK	1,500	195,000	Yes
Bromine and its compounds	PA46 GF BLACK	900	195,000	Yes

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## China ROHS Declaration Information

Part Number	0022284023		<b>Hazardous Substances</b>				
Part Name	KK 100 Hdr Assy Bkwy 02 Ckt 15 SGold						
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr Assy Bkwy 02 Ckt 15 SGold		○	○	○	○	○	○
.100 CTR BREAKAWAY- FLAT COMPONENT		○	○	○	○	○	○
.455 x .0255 Sq Bandolier Pin 15"SAu		○	○	○	○	○	○
.455 x .0255 Sq Bandolier Pin Unplated		○	○	○	○	○	○

## Additional Information

Annex XVII to REACH (76/769/EEC)	Compliant
Regulation (EU) 2019/1021 (POP)	Compliant

## Process Information

Component Plating / Surface Finish	MSn-Ni
Termination Base Alloy	P-Bronze
Solder Alloy	N/A
Process Capability	WAVE
Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	260
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

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