

# Product Compliance Declaration

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## Contact Information

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

## Part Information

**Part Number** 0022284036 **Part Weight** 0.182977G

**Part Name** KK 100 Hdr Assy Bkwy 03 Ckt 30 SGold

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Assy Bkwy 03 Ckt 30 SGold	Assembly		100	0.182977
.100 CTR BREAKAWAY- FLAT COMPONENT	Component		31.139	0.056977
PA46 GF BLACK	Material		31.139	0.056977
PA46	Substance		13.5143	0.024728
GF-Fibre	Substance		9.3417	0.017093
Flame Retardant, ISO 1043-4 FR(17)	Substance		6.0721	0.011111
Antimonytrioxide	Substance	1309-64-4	1.7126	0.003134
Carbon black	Substance	1333-86-4	0.1557	0.000285
Further Additives, not to declare	Substance	system	0.3425	0.000627
.455 x .0255 Sq Bandolier Pin 30"SAu	Assembly		68.861	0.126
.455 x .0255 Sq Bandolier Pin Unplated	Component		67.2215	0.123
Cartridge Brass 70% Unplated	Material		67.2215	0.123
Copper	Substance	7440-50-8	47.055	0.0861

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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	20.1664	0.0369
Gold Plating	Material		0.2156	0.000394
Cobalt	Substance	7440-48-4	0.0005	1E-06
Nickel	Substance	7440-02-0	0.0005	1E-06
Gold	Substance	7440-57-5	0.2145	0.000393
Nickel Plating	Material		1.0529	0.001927
Nickel	Substance	7440-02-0	1.0528	0.001926
Further Additives, not to declare	Substance	system	0.0001	2E-07
Tin Plating	Material		0.371	0.000679
Tin	Substance	7440-31-5	0.371	0.000679

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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

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	500	Yes
Antimonytrioxide	PA46 GF BLACK	*Note	55,000	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
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
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/cm <sup>2</sup> /week)

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## 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 0022284036		<b>Hazardous Substances</b>				
Part Name KK 100 Hdr Assy Bkwy 03 Ckt 30 SGold						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr Assy Bkwy 03 Ckt 30 SGold	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
.100 CTR BREAKAWAY- FLAT COMPONENT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
.455 x .0255 Sq Bandolier Pin 30"SAu	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
.455 x .0255 Sq Bandolier Pin Unplated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## 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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