

Product Compliance Declaration

Please see 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 0022284163 **Part Weight** 1.014002G

Part Name KK 100 Hdr Assy Bkwy 16 Ckt 15 SGold

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Assy Bkwy 16 Ckt 15 SGold	Assembly		100	1.014002
.100 CTR BREAKAWAY- FLAT COMPONENT	Component		33.7278	0.342
PA46 GF BLACK	Material		33.7278	0.342
PA46	Substance		14.6378	0.148428
GF-Fibre	Substance		10.1183	0.1026
Flame Retardant, ISO 1043-4 FR(17)	Substance		6.5769	0.06669
Antimonytrioxide	Substance	1309-64-4	1.855	0.01881
Carbon black	Substance	1333-86-4	0.1686	0.00171
Further Additives, not to declare	Substance	system	0.371	0.003762
.455 x .0255 Sq Bandolier Pin 15"SAu	Assembly		66.2722	0.672002
.455 x .0255 Sq Bandolier Pin Unplated	Component		64.6942	0.656
Cartridge Brass 70% Unplated	Material		64.6942	0.656
Copper	Substance	7440-50-8	45.2859	0.4592

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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	19.4083	0.1968
Gold Plating	Material		0.1452	0.001472
Cobalt	Substance	7440-48-4	0.0004	0.000004
Nickel	Substance	7440-02-0	0.0004	0.000004
Gold	Substance	7440-57-5	0.1444	0.001465
Nickel Plating	Material		1.0154	0.010296
Nickel	Substance	7440-02-0	1.0153	0.010295
Further Additives, not to declare	Substance	system	0.0001	0.000001
Tin Plating	Material		0.4175	0.004234
Tin	Substance	7440-31-5	0.4175	0.004234

ROHS Declaration Information

Regulatory Revision EU 2015/863

Compliance Status Compliant

Contained Substances Exceeding Threshold

None

Exemptions

None

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
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 ² /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 0022284163		Hazardous Substances				
Part Name KK 100 Hdr Assy Bkwy 16 Ckt 15 SGold						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr Assy Bkwy 16 Ckt 15 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 15"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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