

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 0022284021 **Part Weight** 0.146838G

Part Name KK 100 Hdr Assy Bkwy 02 Ckt Tin

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Assy Bkwy 02 Ckt Tin	Assembly		100	0.146838
.100 CTR BREAKAWAY- FLAT COMPONENT	Component		33.2596	0.048838
PA46 GF BLACK	Material		33.2596	0.048838
PA46	Substance		14.4347	0.021196
GF-Fibre	Substance		9.9779	0.014651
Flame Retardant, ISO 1043-4 FR(17)	Substance		6.4856	0.009523
Antimonytrioxide	Substance	1309-64-4	1.8293	0.002686
Carbon black	Substance	1333-86-4	0.1663	0.000244
Further Additives, not to declare	Substance	system	0.3659	0.000537
.530 x .0255 Sq Bandolier Pin Tin	Assembly		66.7404	0.098
.530 x .0255 Sq Bandolier Pin Unplated	Component		65.3783	0.096
Cartridge Brass 70% Unplated	Material		65.3783	0.096
Copper	Substance	7440-50-8	45.7648	0.0672

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Zinc (metal)	Substance	7440-66-6	19.6135	0.0288
Nickel Plating	Material		0.7851	0.001153
Nickel	Substance	7440-02-0	0.785	0.001153
Further Additives, not to declare	Substance	system	8E-05	1E-07
Tin Plating	Material		0.577	0.000847
Tin	Substance	7440-31-5	0.577	0.000847

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

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 0022284021		Hazardous Substances				
Part Name KK 100 Hdr Assy Bkwy 02 Ckt Tin						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr Assy Bkwy 02 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
.530 x .0255 Sq Bandolier Pin Tin	O	O	O	O	O	O
.530 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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