

Product Compliance Declaration



Material Composition Data provided by:

Request Date: 07.05.2014

Company Name: Molex
2222 Wellington Court
Lisle, IL 60532
USA

Person certifying the declaration is true and complete:

Name: Naveen K.N

Title:

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Part Information

Part Name: KK 100 Hdr Assy Bkwy
02 Ckt Tin **Part Weight:** 0.132838 G

Part Number: 0022284020

Comments:

Form Rev - F

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.

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (calculated)
KK 100 Hdr Assy Bkwy 02 Ckt Tin	Component		100.00000 %	0.132838 G
.100 CTR BREAKAWAY- FLAT COMPONENT	Sub-Component		36.76489 %	0.048838 G
PA46 GF BLACK	Material		100.00000 %	0.048838 G
Carbon black	Substance	1333-86-4	0.50000 %	0.000244 G
Antimonytrioxide	Substance	1309-64-4	5.50000 %	0.002686 G
GF-Fibre	Substance		30.00000 %	0.014651 G
Further Additives	Substance	system	1.10000 %	0.000537 G
PA46	Substance		43.40000 %	0.021196 G
Flame Retardant, ISO 1043-4 FR(17)	Substance		19.50000 %	0.009523 G
.455 x .0255 Sq Bandolier Pin Tin	Sub-Component		63.23511 %	0.084000 G
Nickel Plating	Material		0.90643 %	0.000761 G
Nickel	Substance	7440-02-0	99.99000 %	0.000761 G
Further Additives	Substance	system	0.01000 %	0.000076 MG
Tin Plating	Material		1.47452 %	0.001239 G
Tin	Substance	7440-31-5	100.00000 %	0.001239 G
.455 x .0255 Sq Bandolier Pin Unplated	Sub-Component		97.61905 %	0.082000 G
Phosphor Bronze 5% Unplated	Material		100.00000 %	0.082000 G
Copper	Substance	7440-50-8	94.70710 %	0.077660 G
Tin	Substance	7440-31-5	5.08570 %	0.004170 G
Phosphorus	Substance	7723-14-0	0.20720 %	0.000170 G

RoHS Declaration

EU RoHS Compliant (per EU Directive 2011/65/EU)

Exemptions per EU RoHS

None.


Contained Substances Exceeding RoHS Threshold

None.

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China RoHS

Part Number: 0022284020		<h3>Hazardous Substances</h3>					
Part Name: KK 100 Hdr Assy Bkwy 02 Ckt Tin							
Part Information							
Components and their toxic substance composition		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr Assy Bkwy 02 Ckt Tin		0	0	0	0	0	0
.100 CTR BREAKAWAY- FLAT COMPONENT		0	0	0	0	0	0
PA46 GF BLACK		0	0	0	0	0	0
.455 x .0255 Sq Bandolier Pin Tin		0	0	0	0	0	0
Nickel Plating		0	0	0	0	0	0
Tin Plating		0	0	0	0	0	0
.455 x .0255 Sq Bandolier Pin Unplated		0	0	0	0	0	0
Phosphor Bronze 5% Unplated		0	0	0	0	0	0

Contained Substances Exceeding REACH SVHC Threshold

None.

Contained Substances Exceeding GADSL Threshold

Substance Group	Substance Location	Threshold	PPM of Substance
Antimonytrioxide	PA46 GF BLACK	None	55000.0000000
Copper	Phosphor Bronze 5% A (CA510)	1,000 ppm	943350.0000000

Exemptions per GADSL

Part Name:	Description of the exemption
.455 x .0255 Sq Bandolier Pin Tin	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week)

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Contained Substances Exceeding JIG Threshold

Substance Group	Substance Location	Threshold in Material	Threshold in Article	PPM of Substance
Antimony and its compounds	PA46 GF BLACK	1,000 ppm		55000.0000000
Brominated Flame Retardants (other than PBBs or PBDEs)	PA46 GF BLACK	900 ppm		195000.0000000
Nickel and its compounds	Nickel Plating	None		1000000.0000000

Contained Substances Exceeding Low Halogen Threshold

Substance Group	Substance Location	Threshold	PPM of Substance
Bromine and Chlorine combined	PA46 GF BLACK	1,500 ppm	195000.0000000
Bromine and its compounds	PA46 GF BLACK	900 ppm	195000.0000000

Process Information

Name	Component Plating / Surface Finish	Termination Base Alloy	Solder Alloy	Process Capability	Exposure time (Sec Max)	Process Temp (Max C)	Max Cycles at Reflow Temp	J-STD-020 Moisture Sens. Level
KK 100 Hdr Assy Bkwy 02 Ckt Tin	Bright tin - Ni barrier	Phosphor Bronze	N/A	Wave Capable (TH only)	5	235	1	N/A

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