

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 0022292051 **Part Weight** 0.576073G

Part Name 2.54mm KK Hdr Vt FricLK VrA .5Au 5Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
2.54mm KK Hdr Vt FricLK VrA .5Au 5Ckt	Assembly		100	0.576073
KK100 FR LOCK WAFER 6410-05 5 CKT	Component		55.7221	0.321
PA66/6 NYLON UF BROWN	Material		55.7221	0.321
PA66/6	Substance		48.1996	0.277665
Flame Retardant, ISO 1043-4 FR(30)	Substance		5.5722	0.0321
Pigment portion, not to declare	Substance	system	1.3931	0.008025
Further Additives, not to declare	Substance	system	0.5572	0.00321
.560 x .0261 Sq Brass Bando Pin 20SAu	Assembly		44.2779	0.255073
.560 x .0261 Sq Brass Bando Pin Unplated	Component		42.5293	0.245
Cartridge Brass 70% Unplated	Material		42.5293	0.245
Copper	Substance	7440-50-8	29.7705	0.1715
Zinc (metal)	Substance	7440-66-6	12.7588	0.0735
Tin Plating	Material		0.4322	0.00249

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Tin	Substance	7440-31-5	0.4322	0.00249
Nickel Plating	Material		1.1283	0.0065
Nickel	Substance	7440-02-0	1.1282	0.006499
Further Additives, not to declare	Substance	system	0.0001	7E-07
Gold Plating	Material		0.1881	0.001084
Cobalt	Substance	7440-48-4	0.0005	0.000003
Nickel	Substance	7440-02-0	0.0005	0.000003
Gold	Substance	7440-57-5	0.1871	0.001078

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)9139-DC (19 Jan 2021)

Contained Substances Exceeding Threshold

None

GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

Contained Substances Exceeding Threshold

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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
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

*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/cm2/week)


HFLH Declaration Information

Regulatory Revision IEC 61249-2-21

Contained Substances Exceeding Threshold

None

China ROHS Declaration Information

Part Number 0022292051		Hazardous Substances					
Part Name 2.54mm KK Hdr Vt FricLK VrA .5Au 5Ckt							
Part Information							
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE	
2.54mm KK Hdr Vt FricLK VrA .5Au 5Ckt	○	○	○	○	○	○	
KK100 FR LOCK WAFER 6410-05 5 CKT	○	○	○	○	○	○	

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
.560 x .0261 Sq Brass Bando Pin 20SAu	○	○	○	○	○	○
.560 x .0261 Sq Brass Bando Pin Unplated	○	○	○	○	○	○

Process Information

Component Plating / Surface Finish	M5n-Ni
Termination Base Alloy	Brass
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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