

# Product Compliance Declaration

Please see [www.molex.com](http://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** 0009483036 **Part Weight** 1.011064G

**Part Name** KK 156 PCB Assy Top 03 Ckts Gold

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 156 PCB Assy Top 03 Ckts Gold	Assembly		100	1.011064
KK 156 PCB Housing Hook Ramp 03 Ckt	Component		67.0581	0.678
PBT GF NATURAL	Material		67.0581	0.678
PBT	Substance		43.1088	0.435857
GF-Fibre	Substance		4.5983	0.046492
Flame Retardant, ISO 1043-4 FR(17)	Substance		14.8486	0.150129
Antimonytrioxide	Substance	1309-64-4	3.9277	0.039711
Further Additives, not to declare	Substance	system	0.5748	0.005811
KK 156 TERMINAL PC TAIL GOLD	Assembly		32.9419	0.333064
KK 156 TERMINAL PC TAIL	Component		32.3422	0.327
Cartridge Brass 70% Unplated	Material		32.3422	0.327
Copper	Substance	7440-50-8	22.6395	0.2289
Zinc (metal)	Substance	7440-66-6	9.7027	0.0981

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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)
Gold Plating	Material		0.036	0.000364
Cobalt	Substance	7440-48-4	9E-05	9E-07
Nickel	Substance	7440-02-0	9E-05	9E-07
Gold	Substance	7440-57-5	0.0358	0.000362
Nickel Plating	Material		0.5638	0.0057
Nickel	Substance	7440-02-0	0.5637	0.005699
Further Additives, not to declare	Substance	system	6E-05	6E-07

## 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

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
lead	Cartridge Brass 70% (CA260)	*Note	350	Yes
Antimonytrioxide	PBT GF NATURAL	*Note	70,000	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	PBT GF NATURAL	*Note	80,000	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 Au (Hardgold) (electrodeposited Hardgold Coatings)	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm <sup>2</sup> /week)
Ep-Ni	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm <sup>2</sup> /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	PBT GF NATURAL	900	250,000	Yes
Bromine and Chlorine combined	PBT GF NATURAL	1,500	250,000	Yes

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## China ROHS Declaration Information

Part Number 0009483036		<b>Hazardous Substances</b>				
Part Name KK 156 PCB Assy Top 03 Ckts Gold						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 156 PCB Assy Top 03 Ckts Gold	○	○	○	○	○	○
KK 156 PCB Housing Hook Ramp 03 Ckt	○	○	○	○	○	○
KK 156 TERMINAL PC TAIL GOLD	○	○	○	○	○	○
KK 156 TERMINAL PC TAIL	○	○	○	○	○	○

## Process Information

Component Plating / Surface Finish	MSn-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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