

6187 material declaration. BI Technologies Corporation

11/12/2014

LF and non-LF option content are identical after 2006

No content here is banned per E.U. RoHS. Average mass of 6187 potentiometer is 19 grams each. Prepared by Eric Arnold (714) 447-2565

Weights in table above 1 milligram rounded to the nearest mg. Values less than 1 milligram given in scientific notation.

Sub-component	Material	% of total mass	Substance name	CAS #	Substance Weight (grams)	Special classification
Housing	PBT plastic blend	11.9%	PBT	26062-94-2	1.455	antimony fire retardant
			fiberglass	65997-17-3	0.672	
			antimony oxide	1309-64-4	0.112	
	brass	23.6%	Cu	7440-50-8	2.723	Pb in copper alloy (E.U. RoHS 6c) non-hazardous
			Zn	7440-66-6	1.563	
			Pb	7439-92-1	0.142	
	lubricant	0.002%	trade secret	n/a	3.00E-04	non-hazardous
			marking	0.002%	C	
	Ni plating	0.02%	cobalt napthenate	61789-51-3	5.10E-06	non-hazardous
			cobalt neodecanonate	27253-31-2	5.10E-06	
			Hexahydro-1,3-isobenzofurandione	85-42-7	2.55E-05	
			trade secret	n/a	1.63E-04	
Ni			7440-02-0	0.004		
PA 66 plastic blend			4.3%	polyhexamethylene adipamide	32131-17-2	
Rotor	4.3%	fiberglass	65997-17-3	0.265		
		trade secret	n/a	0.016		
Shaft	stainless steel	36.9%	Fe	7439-89-6	5.009	
			C	7440-44-0	0.007	
			Cr (0)	7440-47-3	1.249	
			Mn	7439-96-5	0.069	
			Ni	7440-02-0	0.555	
			P	7723-14-0	0.007	
			S	7704-34-9	0.007	
			Si	7440-21-3	0.035	
			Truarc	stainless steel	0.4%	
C	7440-44-0	7.78E-05				
Cr (0)	7440-47-3	0.014				
Mn	7439-96-5	0.001				
Ni	7440-02-0	0.006				
P	7723-14-0	7.78E-05				
S	7704-34-9	7.78E-05				
Si	7440-21-3	3.89E-04				
Contact	BeCu alloy	0.1%				Cu
			Be	7440-41-7	3.23E-04	
			Ni	7440-02-0	1.90E-05	
	Pd alloy	0.01%	Co	7440-48-4	1.90E-05	
			Pd	7440-05-3	8.67E-04	
			Ag	7440-22-4	7.49E-04	
			Pt	7440-06-4	1.97E-05	
			Cu	7440-50-8	3.15E-04	
	Ni alloy	0.01%	Ni	7440-02-0	1.97E-05	
			Ni	7440-02-0	0.002	
			Cu	7440-50-8	1.00E-06	
			C	7440-44-0	1.20E-06	
			Fe	7439-89-6	3.00E-04	
			Mn	7439-96-5	5.00E-06	
			S	7704-34-9	1.00E-07	
Si	7440-21-3	1.00E-06				
Terminal	OFHC copper	2.0%	Cu	7440-50-8	0.382	
	matte Sn plating	0.01%	Sn	7440-31-5	0.002	
Washer	stainless steel	0.2%	Fe	7439-89-6	0.024	
			C	7440-44-0	3.31E-05	
			Cr (0)	7440-47-3	0.006	
			Mn	7439-96-5	3.31E-04	
			Ni	7440-02-0	0.003	
			Si	7440-21-3	1.65E-04	
Element	alumina	12.7%	Al2O3	1344-28-1	2.296	
			CaO	1305-78-8	0.012	
			FeO2	1345-25-1	0.012	
			MgO	1309-48-4	0.012	
			MnO2	1313-13-9	0.024	

			SiO2	7631-86-9	0.024	
			TiO2	13463-67-7	0.012	
	marking ink	0.02%	DAIP resin	1087-21-4	0.003	
			carbon black	1333-86-4	1.80E-04	
			SiO2	7631-86-9	2.48E-04	
	lubricant	0.001%	trade secret	n/a	2.00E-04	non-hazardous
	conductor	0.02%	Ag	7440-22-4	0.002	
			BiO3	1304-76-3	1.08E-04	bismuth compound
			NiO	1313-99-1	3.71E-05	
			nonylphenol ethoxylate	68412-53-3	3.71E-05	
			Pd	7440-05-3	0.001	
			trade secret	n/a	2.90E-04	non-hazardous
	resistor	0.01%	DAIP resin	1087-21-4	0.002	
			C	7440-44-0	0.001	
			3-(trimethoxysilyl) propyl methacrylate	2530-85-0	2.50E-05	
			SiO2	7631-86-9	1.40E-05	
			t-butyl peroxybenzoate	614-45-9	4.73E-05	
			trade secret	n/a	6.35E-05	non-hazardous
Lockwasher	spring steel	1.6%	Fe	7439-89-6	0.298	
			C	7440-44-0	0.002	
			Mn	7439-96-5	0.002	
			P	7723-14-0	9.07E-05	
			S	7704-34-9	9.07E-05	
	Ni plating	0.02%	Ni	7440-02-0	0.004	
Nut	brass	6.1%	Cu	7440-50-8	0.726	
			Zn	7440-66-6	0.417	
			Pb	7439-92-1	0.004	Pb in copper alloy (E.U. RoHS 6c)
	Zn or Ni plating	0.03%	Zn or Ni	7440-66-6 or 7440-02-0	0.006	can be external nickel