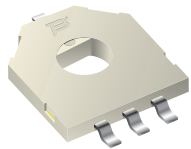


# MATERIAL DECLARATION SHEET



Material Number	3382			
Product Line	Rotary Position Sensor			
Compliance Date	Since inception			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Cover	Nylon	0.089	1,10-decanediamine polymer with 1,4-benzenedicarboxylic acid	1638190-68-7	25	6.5825	26.33
				Polyamide 6.6	32131-17-2	5	1.3165	
				Brominated flame retardant	148993-99-1	24	6.3192	
				Glass fiber	65997-17-3	40	10.532	
				Zinc stannate	12036-37-2	3	0.7899	
				Additives not to declare	N/A	3	0.7899	
2	Rotor	Nylon	0.023	Glass fiber	65997-17-3	40	2.72	6.80
				Polyamide	32131-17-3	39	2.652	
				Antimony trioxide	1309-64-4	5.5	0.374	
				Tribromopolystyrene	57137-10-7	15	1.02	
				Carbon black	1333-86-4	0.5	0.034	

# MATERIAL DECLARATION SHEET



3	Contact spring	Nickel Silver	0.012	Copper	7440-50-8	55	1.9525	3.55
				Zinc	7440-66-6	27	0.9585	
				Nickel	7440-02-0	18	0.639	
4	Substrate	Nylon	0.136	1,10-decanediamine polymer with 1,4-benzenedicarobylic acid	1638190-68-7	25	10.06	40.24
				Polyamide 6.6	32131-17-2	5	2.012	
				Brominated flame retardant	148993-99-1	24	9.6576	
				Glass fiber	65997-17-3	40	16.096	
				Zinc stannate	12036-37-2	3	1.2072	
				Additives not to declare	N/A	3	1.2072	
5	Resistive Ink	Resistor	0.001	Phenolic Resin	9039-28-2	73	0.2117	0.29
				Carbon black	1333-86-4	12	0.0348	
				Graphite	7782-42-5	11	0.0319	
				Carbon fibers	7440-44-0	4	0.0116	
6	Terminal	Phosphor bronze	0.066	Copper	7440-50-8	93.7	18.29961	19.53
				Tin	7440-31-5	6	1.1718	
				Phosphorus	7723-14-0	0.3	0.05859	
		Plating	0.003	Nickel	7440-02-0	100	0.89	0.89
		Plating	0.003	Tin	7440-31-5	100	0.89	0.89
7	Lube	Grease	0.005	Ethene, tetrafluoro-, oxidized, polymd.	69991-61-3	78	1.1544	1.48
				Ethene, tetrafluoro-, homopolymer	9002-84-0	22	0.3256	
				Total weight	0.338			

**This Document was updated on:** March 6, 2017

### Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.