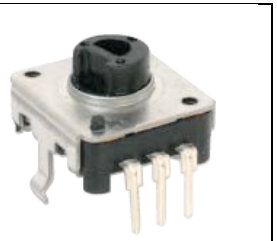
MATERIAL DECLARATION SHEET

Model	PES12		
Product Type	ENCODER		
Compliance Date	06/23/2008		
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	Shaft	Plastic	0.21	Polycarbonate	25037-45-0	100	15.0	15.0
2	Wiper	Copper Alloy	0.026	Sn	07440-31-5	9		1.86
				P	07723-14-0	0.05		
				Cu	07440-50-8	90.95	1.68	
		Plating		Ag	07440-22-4	100		
3	Housing	PBT	0.29	Polybutylene Terephthalate	26062-94-2	70	14.497	20.71
				Glass Fiber	65997-17-3	28	5.8	
				Additives		2	0.414	
4	Terminal X 3	Plating		Sn	07440-31-5	100		7.14
		Copper Alloy	0.1	Cu	07440-50-8	54.786	3.912	
				Ni	07440-02-0	17.570	12.54	
				Zn	07440-66-6	27.260	1.946	
				Pb	07439-92-1	0.001	0.0001	
				Sn	07440-31-5	0.002	0.0001	
				Fe	07439-89-6	0.028	0.002	
				Mn	07439-96-5	0.350	0.025	

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MATERIAL DECLARATION SHEET

5	Contact Spring	Copper Alloy	0.124	Sn	07440-31-5	9.0		8.86
				P	07723-14-0	0.05		
				Cu	07440-50-8	90.95	8.032	
6	Housing Cover	Plating		Sn	07440-31-5	100		46.63
		Steel	0.65	C	07440-44-0	0.050	0.023	
				Mn	07439-96-5	0.240	0.112	
				P	07723-14-0	0.016	0.007	
				S	07704-34-9	0.012	0.006	
				Si	14464-46-1	0.010	0.005	
				Al	07429-90-5	0.045	0.021	
				Fe	07439-89-6	99.627	46.456	
		Total weight	**1.4**					

This Document was updated on: Aug 26, 2008

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS Exemption 6c. Lead in Copper Alloy

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