


MATERIAL DECLARATION SHEET



Model	ECW			
Product Line	Encoders			
Compliance Date	September 30, 2005			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material/ Substances	CAS if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. [%]
1	Dielectric Ink	Ink	0.003	Diallyl Isophthalate Resin	1087-21-4	71	0.026	0.029
				Barium Sulfate pigment	7727-43-7	28	0.01	
						1	0.0004	
2	PCB Substrate	Laminate	1.788	Fiberglass	65997-17-3	52.668	11.37	22.883
				Epoxy Resin	26265-08-7	35.112	7.58	
				Copper	7440-50-8	5.412	1.168	
				Copper	7440-50-8	3.866	2.1299	
				Epoxy Acrylate Resin	9300-19-4	2.482	0.536	
				Nickel	7440-02-0	0.429	0.0926	
				Gold	7440-57-5	0.031	0.0067	
3	Terminal Pin	Phosphor Bronze	0.091	Copper	7440-50-8	94.8	1.042	1.0987
				Tin	7440-31-5	5	0.055	
				Phosphorus	7723-14-0	0.2	0.002	
		Plating		0.003	Tin	7440-31-5	100	0.0362
4	Solder	Solder Paste	0.018	Tin	7440-31-5	95.6	0.208	0.2173
				Silver	7440-22-4	3	0.007	
				Copper	7440-50-8	0.5	0.001	
5	Contact Spring	Nickel Silver	0.028	Copper	7440-44-0	55	0.186	0.338
				Nickel	7440-02-0	18	0.061	
				Zinc	7440-66-6	27	0.0913	
6	Rotor	PBT	1.741	Glass	65997-17-3	30	6.306	21.021
				Poly(butylene terephthalate)	30965-26-5	67	14.084	

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7	Bracket	Brass	2.205	Antimony Oxide	1309-64-4	3	0.631	26.623
				Copper	7440-50-8	70	18.636	
		Zinc	7440-66-6	30	7.987			
		Plating	0.003	Tin	7440-31-5	100	0.0362	0.0362
8	Housing	PBT	2.283	Glass	65997-17-3	20	5.513	27.565
				Poly(butylene terephthalate)	30965-26-5	73	20.123	
				Antimony Oxide	1309-64-4	3	0.827	
				Antimony Compounds	7440-36-0	3	0.827	
				Carbon Black	1333-86-4	1	0.276	
9	Detent Spring	Stainless Steel	0.0655	Chromium (non-hexavalent)	7440-47-3	30	0.237	0.7786
				Iron	7439-89-6	33	0.261	
				Molybdenum	7439-98-7	5	0.0395	
				Manganese	7439-96-5	5	0.0395	
				Nickel	7440-02-0	25	0.198	
				Silicon	7440-21-3	2	0.016	
10	Lube	Grease	0.05388	Fluorosilicone		100	0.651	0.651
		Total weight	8.282					

This Document was updated on: April 26, 2006

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.