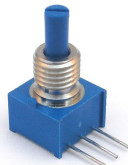


MATERIAL DECLARATION SHEET



Material Number		3315Y						
Product Line		Encoders						
Compliance Date		Q4 / 2004						
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	Copper Wire	Copper Alloy	0.4390	Copper	7440-50-8	100	24.389	24.389
2	Red dielectric Ink	Ink	0.0030	DAIP resin	65997-17-3	71	0.1186	0.167
				Barium Sulfate	7727-43-7	28	0.0467	
				Pigment	7631-86-9	1	0.0017	
3	Substrate Cermet	Epoxy Composite Laminate	0.1540	Antimony Trioxide	7440-22-4	1	0.0856	8.555
				Fibrous Glass Strand Mat	65997-17-3	29	2.4809	
				Copper	7440-50-8	25	2.1387	
				Epoxy Resin	026265-08-7	45	3.8498	
4	Termination Ink	Ink	0.0004	Lead Glass	7439-92-1	20	0.0044	0.022
				Silver	7440-22-0	50	0.0110	
				Barium Oxide	1304-28-5	30	0.0066	
5	Hex nut	Brass Alloy	0.2662	Copper	7440-50-8	70	10.3523	14.789
				Zinc	7440-66-6	30	4.4367	
		Plating	0.0665	Nickel	7440-02-0	100	3.694	3.694
6	Lock washer	Stainless Steel Alloy	0.0030	Carbon	7440-44-0	0.51	0.00086	0.167
				Manganese	7439-98-5	0.75	0.00125	
				Phosphorus	7723-14-0	0.02	0.00003	
				Sulfur	7704-39-9	0.03	0.00005	
				Iron	7439-89-6	98.69	0.16481	

MATERIAL DECLARATION SHEET



		Zinc Plating	0.4850	Chromium	7440-47-3	0.01	0.0027	26.944
				Tin	7440-31-5	0.64	0.1724	
				Zinc	7440-66-6	99.35	26.7689	
7	Housing	PBT	0.2732	Polybutylene terephthalate	30965-26-5	49	7.4372	15.178
				Glass fiber	65997-17-3	35	5.3123	
				Brominated flame retardant	Trade secret	10	1.5178	
				Antimony trioxide	1309-64-4	6	0.9107	
8	O-Ring	Silicon Rubber	0.0113	Silicon	63394-02-5	100	0.628	0.628
9	Rotor / shaft	PBT	0.0002	Polybutylene terephthalate	30965-26-5	55	0.0061	0.011
				Glass fiber	65997-17-3	30	0.0033	
				Antimony trioxide	1309-64-4	4	0.0004	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	0.0012	
10	Nickel Strip	Ni - Containing Alloys	0.007	Copper	7440-50-8	51	0.1984	0.389
				Zinc	7440-66-6	27	0.1050	
				Manganese	7349-96-5	18	0.0700	
				Nickel	7440-02-0	4	0.0156	
11	Nickel Silver Wire	Copper Alloy	0.0075	Copper	7440-50-8	55	0.2293	0.417
				Nickel	7440-02-0	18	0.0751	
				Zinc	7440-66-6	27	0.1126	
12	Laminated back up strip	Brass Alloy	0.0037	Copper	7440-50-8	70	0.1442	0.206
				Zinc	7440-66-6	30	0.0618	

MATERIAL DECLARATION SHEET



13	Epoxy	Epoxy	0.08	Epoxy resin	2386-87-0	65	2.8886	4.444
				Caprolacton, trimethylpropan polymer	37625-56-2	20	0.8888	
				Aluminum trioxide	1344-28-1	10	0.4444	
				Hydrophobic pyrogenic silica	112945-52-5	3.5	0.15554	
				Propylene carbonate	108-32-7	1.5	0.06666	
		Total weight	1.800					

This Document was updated on: September 19, 2014

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS2 compliant using Exemption 7c-1.