


MATERIAL DECLARATION SHEET



Material Number	3750S-L			
Product Line	Precisions			
Compliance Date	December 31, 2005			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material/ Substances	CASRN if applicable	Material s Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Mandrel Wire	Copper	1.5	Copper	7440-50-8	100	17.105	17.106
		Coating	0.00012	Polyamide		100	0.001	
2	Resist Wire	Copper Alloy	0.7317	Nickel	7440-02-0	47	3.922	8.344
				Copper	7440-50-8	46.5	3.880	
				Iron	7439-89-6	3	0.250	
				Manganese	7439-96-5	3	0.250	
				Cobalt	7440-48-4	0.5	0.042	
3	Varnish	Polyester	0.1093	Phenolic Resin		100	1.246	1.246
4	Housing	DAP Compound	1.75	Antimony Trioxide	1309-64-4	5	0.998	19.956
				Aluminum Hydroxide	21645-51-2	20	3.991	
				Diallyl Phthalate	25053-15-0	25	4.989	
				Glass Fiber	65997-17-3	50	9.978	
5	Tab X2	Nickel	0.002	Nickel	7440-02-0	100	0.023	2.215
		Inlay	0.1922	Silver	7440-22-4	56	1.227	
				Copper	7440-50-8	22	0.482	
				Zinc	7440-66-6	17	0.373	
				Tin	7440-31-5	5	0.110	
6	Terminal Cap X2	Nickel	0.00105	Nickel	7440-02-2	100	0.012	0.023
		Plating	0.0010	Gold	7440-57-5	100	0.011	
7	Terminal X2	Brass	0.157	Copper	7440-50-8	61.5	1.101	1.802
				Lead	7439-92-1	3	0.054	
				Zinc	7440-66-6	35.5	0.636	
		Plating	0.00105	Gold	7440-57-5	100	0.012	

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8	Lube (Element)	Grease	0.005	Decanoic acid, mixed esters with heptanoic acid, octanoic acid	68130-53-0	54.4	0.031	0.057
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.003	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.019	
				Polyisobutylene	9003-27-4	6.2	0.004	
9	Marking Ink	Ink	0.015	Epoxy Resin		100	0.171	0.171
10	Ball Bearing (Lid)	Stainless steel	0.13	Carbon	7440-44-0	1.2	0.018	1.482
				Silicon	7440-21-3	1	0.015	
				Manganese	7439-96-5	1	0.015	
				Phosphorus	7723-14-0	0.04	0.001	
				Sulfur	7704-34-9	0.03	0.0004	
				Chromium	7440-47-3	18	0.267	
				Nickel	7440-02-0	0.6	0.009	
				Molybdenum	7439-98-7	0.75	0.011	
				Iron	7439-89-6	77.38	1.147	
11	Cover	DAP Compound	0.8	Antimony Trioxide	1309-64-4	5	0.456	9.123
				Aluminum Hydroxide	21645-51-2	20	1.825	
				Diallyl Phthalate	25053-15-0	25	2.281	
				Glass Fiber	65997-17-3	50	4.561	
12	Wiper Terminal	Brass	0.031	Copper	7440-50-8	61.5	0.217	0.354
				Lead	7439-92-1	3	0.011	
				Zinc	7440-66-6	35.5	0.125	
		Plating	0.00003	Gold	7440-57-5	100	0.0003	
		13	Ball Bearing (Cover)	Stainless Steel	0.07	Carbon	7440-44-0	
Silicon	7440-21-3					1	0.008	
Manganese	7439-96-5					1	0.008	
Phosphorus	7723-14-0					0.04	0.0003	
Sulfur	7704-34-9					0.03	0.0002	
Chromium	7440-47-3					18	0.144	
Nickel	7440-02-0					0.6	0.005	
Molybdenum	7439-98-7					0.75	0.006	
Iron	7439-89-6	77.38	0.618					

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14	Lid	Aluminum	1.2	Silicon	7440-21-3	0.7	0.096	13.684
				Iron	7439-89-6	0.34	0.047	
				Copper	7440-50-8	0.34	0.047	
				Manganese	7439-96-3	0.09	0.012	
				Magnesium	7439-98-5	0.9	0.123	
				Chromium	7440-47-3	0.09	0.012	
				Zinc	7440-66-6	0.05	0.007	
				Titanium	7440-32-6	0.02	0.003	
				Aluminum	7429-90-5	97.47	13.338	
15	Cover Pin	Stainless Steel	0.0263	Carbon	7440-44-0	0.15	0.0004	0.300
				Manganese	7439-96-5	2	0.006	
				Silicon	7440-21-3	1	0.003	
				Chromium	7440-47-3	19	0.057	
				Nickel	7440-02-0	10	0.030	
				Iron	7439-89-6	67.7	0.203	
				Sulfur	7704-34-9	0.15	0.0004	
16	Rotor Shaft	DAP Compound	0.55	Antimony Trioxide	1309-64-4	5	0.314	6.272
				Aluminum Hydroxide	21645-51-2	20	1.254	
				Diallyl Phthalate	25053-15-0	25	1.568	
				Glass Fiber	65997-17-3	50	3.136	
17	Shaft	Stainless Steel	1.1937	Carbon	7440-44-0	0.15	0.020	13.612
				Manganese	7439-96-5	2	0.272	
				Silicon	7440-21-3	1	0.136	
				Chromium	7440-47-3	19	2.586	
				Nickel	7440-02-0	10	1.361	
				Iron	7439-89-6	67.7	9.215	
				Sulfur	7704-34-9	0.15	0.020	
18	Collector Bar	Copper	0.0125	Copper	7440-50-8	97.8	0.139	0.143
				Cobalt	7440-48-4	0.2	0.0003	
				Beryllium	7440-41-7	2	0.003	
		Plating	0.00001	Gold	7440-57-5	100	0.0001	

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19	Slider	PBT	0.035	Polyhexamethylene Adipamide	32131-17-2	89%	1.776	1.996
				Non-regulated Colorants, Stabilizers, Lubricants	*****	11%	0.220	
20	Spring Wiper	Pamlet	0.0105	Palladium	7440-05-3	35	0.042	0.120
				Silver	7440-22-4	30	0.036	
				Copper	7440-50-8	14	0.017	
				Gold	7440-57-5	10	0.012	
				Platinum	7440-06-4	10	0.012	
				Zinc	7440-66-6	1	0.001	
21	Washer 1	Stainless Steel	0.005	Iron	7439-89-6	67	0.038	0.057
				Chromium	7440-47-3	19	0.011	
				Manganese	7439-96-3	2	0.001	
				Nickel	7440-02-0	10	0.006	
				Silicon	7440-21-3	1	0.001	
				Carbon	7440-44-0	1	0.001	
22	Washer 2	Stainless Steel	0.015	Iron	7439-89-6	67.85	0.116	0.171
				Chromium	7440-47-3	19	0.032	
				Manganese	7439-96-3	2	0.003	
				Nickel	7440-02-0	10	0.017	
				Silicon	7440-21-3	0.15	0.0003	
				Carbon	7440-44-0	1	0.002	

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23	Teflon Washer	PTFE	0.004	Polytetrafluoroethylene	9002-84-0	15	0.007	0.046
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.039	
		Total weight	7.769					

This Document was updated on: Aug 28, 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
3. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.