


MATERIAL DECLARATION SHEET



Model	3310Y			
Product Line	Panel Controls			
Compliance Date	December 31, 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 (2)	Copper Alloy	0.421	Copper	7440-50-8	100	59.841	29.841
		Plating	0.018	Tin	7440-31-5	95	1.273	1.273
2	6 Up Substrate	Alumina	0.154	Alumina	1344-28-1	100	9.421	9.421
3	Termination Ink	Ink	0.0006	Silver	7440-22-0	68	0.029	0.038
				Bismuth trioxide	1304-76-3	4	0.002	
				Diethylene glycol monobutyl ether acetate	124-17-4	7	0.003	
				Terpineol	8006-39-1	10	0.004	
4	Resistive Ink	Ink	0.003	Diethylene Glycol Monobutyl Ether	112-34-5	20	0.043	0.206
				Talc	14807-96-6	20	0.043	
				Carbon Black	1333-86-4	5	0.011	
				Ethylene Glycol Monobutyl Ether Acetate	112-07-2	3	0.006	
				Graphite	7782-42-5	5	0.011	
				Formaldehyde	29661-89-0	35	0.074	
				m-Xylene	108-38-3	3	0.006	
				n-Butyl Alcohol	71-36-3	3	0.006	
				Phenol	108-95-2	3	0.006	
Methanol	67-56-1	3	0.006					

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5	Resistive Ink	Ink	0.003	Diethylene Glycol Monobutyl Ether	112-34-5	30	0.064	0.149
				Talc	14807-96-6	20	0.043	
				Graphite	7782-42-5	5	0.011	
				Carbon Black	1333-86-4	5	0.011	
				Ethylene Glycol Monobutyl Ether Acetate	112-07-2	5	0.011	
				Carbon	7440-44-0	5	0.011	
				Formaldehyde	29661-89-0	30	0.064	
6	Housing	PBT	0.485	Glass	65997-17-3	30	10.313	34.378
				PBT		67	23.033	
				Antimony Oxide	1309-64-4	3	1.031	
7	O-Ring	Silicon	0.0113	Silicon Rubber		100	0.801	0.801
8	Rotor Shaft Molded	PBT	0.2277	Polyhexamethylene Adipamide	32131-17-2	89	14.365	16.139
				Non-regulated Colorants, Stabilizers, Lubricants		11	1.775	
9	Nickel Strip	Nickel Alloy	0.0002	Nickel	7440-02-0	100	0.014	0.014
10	Nickel Silver Wire	Nickel Silver Alloy	0.0002	Copper	7440-50-8	55	0.008	0.014
				Nickel	7440-02-0	18	0.003	
				Zinc	7440-66-6	27	0.004	
11	Laminated Back Up Strip	Brass Alloy	0.00375	Copper	7440-50-8	70	0.186	0.266
				Zinc	7440-66-6	30	0.079	
12	Lube	PTFE	0.0015	Polytetrafluoroethylene	9002-84-0	100	0.106	0.106
13	Lube	PTFE	0.0015	Polytetrafluoroethylene	9002-84-0	100	0.106	0.106
14	Epoxy	Epoxy	0.08	Bisphenol A Diglycidyl Ether Resin	25068-38-6	50	2.835	6.238
				Silicon Dioxide	7440-21-3	20	1.134	
				Aluminum Silicate Hydroxide	1332-58-7	20	1.134	
				Antimony Trioxide	1309-64-4	20	1.134	

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15	Catalyst	Catalyst	0.00004	Tetraethylenepentamine	112-57-2	65	0.002	0.003
				Triethylenetetramine	112-24-3	25	0.0007	
				Pentaethylenehexamine	4067-16-7	10	0.0003	
				Total weight	1.411			

This Document was updated on: January 27, 2006

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Product is available with a lead free terminal. Add L to part number as a suffix. Terminals will be 100% matte tin.
Standard part example: 3310Y-001-105
RoHS compliant example: 3310Y-001-105L