

# MATERIAL DECLARATION SHEET



Material Number	91/92/93/94 A1XX-B/C/WXX-AXXL			
Product Line	Panel Control			
Compliance Date	January 02, 2006			
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	Hex Nut	Brass C260	1.250	Copper	7440-50-8	70.00	10.025	14.32
				Zinc	7440-66-6	30.00	4.297	
		Plating	0.090	Nickel	7440-02-0	100	1.031	1.03
2	Lock Washer	Carbon Steel S50CM	0.1700	Carbon	7440-44-0	0.5	0.010	1.95
				Iron	7439-89-6	98.7	1.922	
				Manganese	7439-96-5	0.75	0.015	
				Phosphorus	7723-14-0	0.02	0.0004	
				Sulphur	7704-34-9	0.03	0.0006	
		Plating	0.0001	Nickel	7440-02-0	100	0.001	0.001
3	Bushing	Aluminum 2011	1.4	Aluminum (Metal)	7429-90-5	92.93	14.99	16.13
				Bismuth	7440-69-9	0.4	0.06	
				Copper	7440-50-8	5.5	0.89	
				Iron	7439-89-6	0.345	0.06	
				Lead	7439-92-1	0.4	0.06	
				Silicon	7440-21-3	0.2	0.03	
				Zinc (Metal)	7440-66-6	0.15	0.02	
				Misc, Not to Declare	N/A	0.075	0.01	

# MATERIAL DECLARATION SHEET



4	Body Primary	Resin	1.5	PBT	26062-94-2	53.7	9.10	16.95
				Glass Fiber	65997-17-3	30	5.08	
				Brominated Epoxy Resin	68928-70-1	10.5	1.78	
				Antimony Trioxide	1309-64-4	3	0.51	
				Pigment Blue 15	147-14-8	0.8	0.14	
				Further Additives, Not to Declare	N/A	2	0.34	
5	Rotor/Shaft Molded	Resin	1.91	PBT	26062-94-2	53.7	11.74	21.86
				Glass Fiber	65997-17-3	30	6.56	
				Brominated Epoxy Resin	68928-70-1	10.5	2.30	
				Antimony Trioxide	1309-64-4	3	0.66	
				Pigment Blue 15	147-14-8	0.8	0.17	
				Further Additives, Not to Declare	N/A	2	0.44	
6	Contact Spring	Strip Laminated	0.005	Copper	7440-50-8	70	0.0003	0.06
				Zinc	7440-66-6	30	0.0003	
		Spacer Strip	0.004	Nickel	7440-02-0	18	0.008	0.05
				Copper	7440-50-8	55	0.025	
		Solder Inlay	0.0015	Zinc	7440-66-6	27	0.012	0.02
				Tin	7440-31-5	94.2	0.016	
				Silver	7440-22-4	5	0.0009	
				Bismuth	7440-69-9	0.3	0.00005	
		Wire	0.013	Impurities		0.5	0.0001	0.15
				Copper	7440-50-8	65	0.10	
				Nickel	7440-02-0	18	0.03	
		7	Substrate	Ceramic	0.98	Zinc	7440-66-6	17
Aluminum Oxide	1344-28-1					96	10.76	
Silicon Oxide	7631-86-9					2	0.22	
Magnesium Oxide	1309-48-4					1	0.11	
				Calcium Oxide	1305-78-8	1	0.11	

# MATERIAL DECLARATION SHEET



8	Ink	Ink	0.0050	Silver	7440-22-4	75	0.0430	0.06
				Palladium	7440-05-3	11.5	0.0066	
				Glass w/o Declarables	65997-17-3	6	0.0034	
				Lead in Glass	7439-92-1	0.5	0.0003	
				Dibismuth-Trioxide	1304-76-3	3.2	0.0018	
				Nickel-Monoxide	1313-99-1	0.8	0.0005	
				Zinc Oxide	1314-13-2	0.8	0.0005	
				Ceramic w/o Declarable Substances	66402-68-4	2.1	0.0012	
				Copper	7440-50-8	0.1	0.00006	
9	Ink	Ink	0.0009	Palladium	7440-05-03	22	0.002	0.01
				Silver	7440-22-4	19	0.002	
				Manganese Dioxide	1313-13-9	2	0.0002	
				Ceramic Without Declarable Substances	66402-68-4	24	0.002	
				Glass Without Declarable Substances	65997-17-3	23	0.002	
				Lead	7439-92-1	10	0.0010	
10	Ink	Ink	0.0009	Ruthenium Oxide	12036-10-1	12.1	0.001	0.01
				Silver	7440-22-4	10.1	0.001	
				Palladium	7440-05-3	12.1	0.001	
				Lead in Glass	7439-92-1	36.3	0.004	
				Aluminum	7429-90-5	3.1	0.0003	
				Calcium Oxide	1305-78-8	1.1	0.0001	
				Bismuth Trioxide	1304-76-3	11.1	0.0011	
				Digadolinium Trioxide	12064-62-9	14.1	0.0015	
11	Terminal Wire 3X	Copper	0.30	Copper	7440-50-8	100	3.39	3.39
		Plating	0.0030	Tin	7440-31-5	100	0.034	0.0344
12	Rear Cover Molded	Resin	0.65	PBT	26062-94-2	53.7	4.02	7.48
				Glass Fiber	65997-17-3	30	2.24	

# MATERIAL DECLARATION SHEET



				Brominated Epoxy Resin	68928-70-1	10.5	0.79	
				Antimony Trioxide	1309-64-4	3	0.22	
				Pigment Blue 15	147-14-8	0.8	0.06	
				Further Additives, Not to Declare	N/A	2	0.15	
13	Washer	Teflon	0.0160	Polytetrafluoroethylene	9002-84-0	100	0.18	0.18
14	Washer	Teflon	0.0050	Polytetrafluoroethylene	9002-84-0	100	0.06	0.06
15	Spring Washer	Beryllium Copper	0.031	Beryllium	7440-41-7	1.90	0.0067	0.36
				Nickel	7440-02-0	0.30	0.0011	
				Cobalt	7440-48-4	0.30	0.0011	
				Iron	7439-89-6	0.30	0.0011	
				Aluminum	7429-90-5	0.10	0.0004	
				Silicon	7440-21-3	0.10	0.0004	
				Copper	7440-50-8	96.70	0.3435	
				Silver	7440-22-4	0.05	0.0002	
Misc, Not to Declare	N/A	0.25	0.0009					
16	Drive Pin X4	Carbon Steel 1018	0.38	Iron	7439-89-6	99.03	4.312	4.35
				Sulfur	7704-34-9	0.025	0.001	
				Phosphorus	7723-14-0	0.02	0.001	
				Manganese	7439-96-5	0.75	0.033	
				Carbon	7440-44-0	0.175	0.008	
17	Lube	Lube	0.0016	Decanoic Acid, Mixed Esters With Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.40	0.01	0.018
				Lithium 12-hydroxystearate	7620-77-1	5.70	0.001	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.70	0.006	
				Polyisobutylene	9003-27-4	6.20	0.001	

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18	Lube	Lube	0.0288	Siloxanes and Silicones, Di-Me, Di-Ph	68083-14-7	68.90	0.227	0.33
				Lithium Stearate	4485-12-5	25.40	0.084	
				Silane, Dichlorodimethyl- Reaction Products with Silica	68611-44-9	4.80	0.016	
				Diphenylamine	122-39-4	0.90	0.003	
		Total weight	8.7278					

This Document was updated on: **10/14/2025**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.