

# MATERIAL DECLARATION SHEET



Material Number	91/92/93/94 A1XX-A/G/HXX-BXXL			
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	6.263	8.95
				Zinc	7440-66-6	30.00	2.684	
		Plating	0.090	Nickel	7440-02-0	100	0.644	0.64
2	Lock Washer	Carbon Steel S50CM	0.1700	Carbon	7440-44-0	0.5	0.006	1.22
				Iron	7439-89-6	98.7	1.201	
				Manganese	7439-96-5	0.75	0.009	
				Phosphorus	7723-14-0	0.02	0.0002	
		Plating	0.0001	Sulphur	7704-34-9	0.03	0.0004	0.001
Nickel	7440-02-0	100	0.001					
3	Bushing	Aluminum 2011	1.4	Aluminum (Metal)	7429-90-5	92.93	9.37	10.08
				Bismuth	7440-69-9	0.4	0.04	
				Copper	7440-50-8	5.5	0.55	
				Iron	7439-89-6	0.345	0.03	
				Lead	7439-92-1	0.4	0.04	
				Silicon	7440-21-3	0.2	0.02	
				Zinc (Metal)	7440-66-6	0.15	0.02	
				Misc, Not to Declare	N/A	0.075	0.01	
4	Body Primary	Resin	1.5	PBT	26062-94-2	53.7	5.68	10.59

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				Glass Fiber	65997-17-3	30	3.18	
				Brominated Epoxy Resin	68928-70-1	10.5	1.11	
				Antimony Trioxide	1309-64-4	3	0.32	
				Pigment Blue 15	147-14-8	0.8	0.08	
				Further Additives, Not to Declare	N/A	2	0.21	
5	Shaft	Brass 360	6.5	Copper	7440-50-8	61.5	28.61	46.53
				Iron	7439-89-6	0.2	0.09	
				Lead	7439-92-1	3	1.40	
				Zinc	7440-66-6	35	16.28	
		Misc, Not to Declare	N/A	0.3	0.14			
		Plating	0.0010	Nickel	7440-02-0	100	0.01	0.01
6	Rotor Molded	Resin	0.65	PBT	26062-94-2	53.7	2.50	4.65
				Glass Fiber	65997-17-3	30	1.40	
				Brominated Epoxy Resin	68928-70-1	10.5	0.49	
				Antimony Trioxide	1309-64-4	3	0.14	
				Pigment Blue 15	147-14-8	0.8	0.04	
				Further Additives, Not to Declare	N/A	2	0.09	
7	Contact Spring	Strip Laminated	0.005	Copper	7440-50-8	70	0.0002	0.04
				Zinc	7440-66-6	30	0.0002	
		Spacer Strip	0.004	Nickel	7440-02-0	18	0.005	0.03
				Copper	7440-50-8	55	0.016	
		Solder Inlay	0.0015	Zinc	7440-66-6	27	0.008	0.01
				Tin	7440-31-5	94.2	0.010	
				Silver	7440-22-4	5	0.0005	
				Bismuth	7440-69-9	0.3	0.00003	
		Wire	0.013	Impurities		0.5	0.0001	0.09
				Copper	7440-50-8	65	0.06	
		Nickel	7440-02-0	18	0.02			

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				Zinc	7440-66-6	17	0.02	
8	Substrate	Ceramic	0.98	Aluminum Oxide	1344-28-1	96	6.72	7.00
				Silicon Oxide	7631-86-9	2	0.14	
				Magnesium Oxide	1309-48-4	1	0.07	
				Calcium Oxide	1305-78-8	1	0.07	
9	Ink	Ink	0.0050	Silver	7440-22-4	75	0.0268	0.04
				Palladium	7440-05-3	11.5	0.0041	
				Glass w/o Declarables	65997-17-3	6	0.0021	
				Lead in Glass	7439-92-1	0.5	0.0002	
				Dibismuth-Trioxide	1304-76-3	3.2	0.0011	
				Nickel-Monoxide	1313-99-1	0.8	0.0003	
				Zinc Oxide	1314-13-2	0.8	0.0003	
				Ceramic w/o Declarable Substances	66402-68-4	2.1	0.0008	
Copper	7440-50-8	0.1	0.00004					
10	Ink	Ink	0.0009	Formaldehyde, polymer	28470-78-2	31.0	0.002	0.01
				Barium sulfate	7727-43-7	16.0	0.001	
				Carbon black	1333-86-4	9.0	0.001	
				DAIP resin	1087-21-4	19.0	0.001	
				Phenolic resin	9039-25-2	18.0	0.001	
				Graphite	7782-42-5	5.0	0.0003	
				Polydimethylsiloxane	63148-62-9	2.0	0.0001	
11	Ink	Ink	0.0009	Formaldehyde, polymer	28470-78-2	29.5	0.002	0.01
				Carbon black	1333-86-4	14.5	0.001	
				DAIP resin	1087-21-4	19.0	0.001	
				Phenolic resin	9039-25-2	19.5	0.001	
				Carbon	7440-44-0	9.5	0.0006	
				Graphite	7782-42-5	5.0	0.0003	
				Polydimethylsiloxane	63148-62-9	3.0	0.0002	
12	Terminal Wire 3X	Copper	0.30	Copper	7440-50-8	100	2.12	2.12
		Plating	0.0030	Tin	7440-31-5	100	0.021	0.0215

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13	Rear Cover Molded	Resin	0.65	PBT	26062-94-2	53.7	2.51	4.67
				Glass Fiber	65997-17-3	30	1.40	
				Brominated Epoxy Resin	68928-70-1	10.5	0.49	
				Antimony Trioxide	1309-64-4	3	0.14	
				Pigment Blue 15	147-14-8	0.8	0.04	
				Further Additives, Not to Declare	N/A	2	0.09	
14	Washer	Teflon	0.0160	Polytetrafluoroethylene	9002-84-0	100	0.11	0.11
15	Washer	Teflon	0.0050	Polytetrafluoroethylene	9002-84-0	100	0.04	0.04
16	Spring Washer	Beryllium Copper	0.031	Beryllium	7440-41-7	1.90	0.0042	0.22
				Nickel	7440-02-0	0.30	0.0007	
				Cobalt	7440-48-4	0.30	0.0007	
				Iron	7439-89-6	0.30	0.0007	
				Aluminum	7429-90-5	0.10	0.0002	
				Silicon	7440-21-3	0.10	0.0002	
				Copper	7440-50-8	96.70	0.2146	
				Silver	7440-22-4	0.05	0.0001	
				Misc, Not to Declare	N/A	0.25	0.0006	
17	Drive Pin X4	Carbon Steel 1018	0.38	Iron	7439-89-6	99.03	2.694	2.72
				Sulfur	7704-34-9	0.025	0.001	
				Phosphorus	7723-14-0	0.02	0.001	
				Manganese	7439-96-5	0.75	0.020	
				Carbon	7440-44-0	0.175	0.005	
18	Lube	Lube	0.0016	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.40	0.01	0.011
				Lithium 12-Hydroxystearate	7620-77-1	5.70	0.001	

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				Isohexadecyl-Isooctadecanoate	52006-45-8	33.70	0.004	
				Polyisobutylene	9003-27-4	6.20	0.001	
19	Lube	Lube	0.0288	Siloxanes and Silicones, Di-Me, Di-Ph	68083-14-7	68.90	0.142	0.21
				Lithium stearate	4485-12-5	25.40	0.052	
				Silane, Dichlorodimethyl-Reaction Products with Silica	68611-44-9	4.80	0.010	
				Diphenylamine	122-39-4	0.90	0.002	
		Total weight	13.9708					

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.