

MATERIAL DECLARATION SHEET



Material Number	53CBD-XXX-AXXL			
Product Line	Sensors & Controls			
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 C3604	0.3466	Copper	7440-50-8	59	2.415	4.093
				Iron	7439-89-6	0.25	0.010	
				Lead	7439-92-1	2.75	0.113	
				Tin	7440-31-5	0.4	0.016	
				Zinc	7440-66-6	37.49	1.534	
				Nickel	7440-02-0	0.1	0.004	
				Arsenic	7440-38-2	0.01	0.0004	
		Plating	0.0034	Nickel	7440-02-0	100	0.040	0.040
2	Lock Washer	S50CM	0.137	Carbon	7440-44-0	0.5	0.0081	1.62
				Chromium	7440-47-3	0.1	0.0016	
				Copper	7440-50-8	0.2	0.0032	
				Iron	7439-89-6	98.01	1.5903	
				Manganese	7439-96-5	0.8	0.0130	
				Nickel	7440-02-0	0.1	0.0016	
				Phosphorus	7723-14-0	0.02	0.0003	
				Sulphur	7704-34-9	0.02	0.0003	
				Silicon	7440-21-3	0.25	0.0041	
		Plating	0.002	Nickel	10101-97-0	100	0.024	0.024
3	Substrate (X2)	Ceramic	0.3	Aluminum Oxide	1344-28-1	96	3.4	3.543
				Silicon Dioxide	7631-86-9	2	0.071	

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				Magnesium Oxide	1309-48-4	1	0.035	
				Calcium Oxide	1305-78-8	1	0.035	
4	Ink (X2)	Ink	0.005	Silver	7440-22-4	92	0.054	0.059
				Bismuth in Glass	7440-69-9	2	0.0012	
				Copper	7440-50-8	1	0.0006	
				Glass w/o Declarables	65997-17-3	3.5	0.0021	
				Barium	7440-39-3	0.2	0.0001	
				Boron	7440-42-8	0.2	0.0001	
				Aluminum in Glass	7429-90-5	1.1	0.0006	
5	Ink (X2)	Ink	0.001	Ruthenium Oxide	12036-10-1	12.1	0.0014	0.0118
				Silver	7440-22-4	10.1	0.0012	
				Palladium	7440-05-3	12.1	0.0014	
				Lead in Glass	7439-92-1	36.3	0.0043	
				Aluminum	7429-90-5	3.1	0.0004	
				Calcium Oxide	1305-78-8	1.1	0.0001	
				Bismuth Trioxide	1304-76-3	11.1	0.0013	
				Digadolinium Trioxide	12064-62-9	14.1	0.0017	
6	Ink (X2)	Ink	0.003	Ruthenium oxide	12036-10-1	15	0.005	0.035
				Silver	7440-22-4	5	0.002	
				Palladium	7440-05-3	5	0.002	
				Lead in Glass	7439-92-1	43	0.015	
				Aluminum	7429-90-5	5	0.002	
				Bismuth trioxide	1304-76-3	13	0.005	
				Digadolinium trioxide	12064-62-9	14	0.005	
7	Terminal (X6)	Phosphor Bronze (C510 Alloy)	0.12	Copper	7440-50-8	94.6	1.341	1.417
				Iron	7439-89-6	0.06	0.0009	
				Phosphorus	7723-14-0	0.19	0.0027	
				Lead	7439-92-1	0.025	0.0004	
				Tin	7440-31-5	5	0.071	
				Zinc (Metal)	7440-66-6	0.1	0.0014	
				Misc., not to Declare	N/A	0.025	0.0004	
		Plating-Cu	0.0015	Copper	7440-50-8	100	0.018	0.018

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		Plating-Sn	0.008	Tin	7440-31-5	100	0.094	0.094
8	Shaft	Brass C360	3.85	Copper	7440-50-8	61.5	27.96	45.47
				Iron	7439-89-6	0.2	0.091	
				Lead	7439-92-1	3	1.364	
				Zinc	7440-66-6	35	15.91	
				Misc, not to Declare	N/A	0.3	0.136	
		Plating	0.015	Nickel	7440-02-0	100	0.177	0.177
9	Body Molded	Resin	0.659	PBT	26062-94-2	53.7	4.179	7.782
				Glass Fiber	65997-17-3	30	2.335	
				Brominated Epoxy Resin	68928-70-1	10.5	0.817	
				Antimony Trioxide	1309-64-4	3	0.233	
				Pigment Blue 15	147-14-8	0.8	0.062	
				Further Additives, Not to Declare	N/A	2	0.156	
10	Bushing	Aluminum 2011-T3	1.036	Aluminum (Metal)	7429-90-5	92.93	11.369	12.234
				Bismuth	7440-69-9	0.4	0.049	
				Copper	7440-50-8	5.5	0.673	
				Iron	7439-89-6	0.345	0.042	
				Lead	7439-92-1	0.4	0.049	
				Silicon	7440-21-3	0.2	0.024	
				Zinc (Metal)	7440-66-6	0.15	0.018	
				Misc, Not to Declare	N/A	0.075	0.009	
		Plating	0.0032	Nickel	7440-02-0	100	0.038	0.038
11	Rotor	Resin	0.1757	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	1.369	2.075
				Glass Fiber	65997-17-3	32	0.664	
				Molybdenum Disulfide	1317-33-5	2	0.041	
12	Body Molded	Resin	0.659	PBT	26062-94-2	53.7	4.179	7.782
				Glass Fiber	65997-17-3	30	2.335	
				Brominated Epoxy Resin	68928-70-1	10.5	0.817	

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				Antimony Trioxide	1309-64-4	3	0.233	
				Pigment Blue 15	147-14-8	0.8	0.062	
				Further Additives, Not to Declare	N/A	2	0.156	
13	Rotor	Resin	0.1757	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	1.3694	2.075
				Glass Fiber	65997-17-3	32	0.6640	
				Molybdenum Disulfide	1317-33-5	2	0.041	
14	Rear Cover	Resin	0.211	PBT	26062-94-2	53.7	1.336	2.488
				Glass Fiber	65997-17-3	30	0.746	
				Brominated Epoxy Resin	68928-70-1	10.5	0.261	
				Antimony Trioxide	1309-64-4	3	0.075	
				Pigment Blue 15	147-14-8	0.8	0.020	
				Further Additives, Not to Declare	N/A	2	0.050	
15	Rear Cover	Resin	0.211	PBT	26062-94-2	53.7	1.336	2.488
				Glass Fiber	65997-17-3	30	0.746	
				Brominated Epoxy Resin	68928-70-1	10.5	0.261	
				Antimony Trioxide	1309-64-4	3	0.075	
				Pigment Blue 15	147-14-8	0.8	0.020	
				Further Additives, Not to Declare	N/A	2	0.050	
16	Contact Spring (X2)	Nickel/Silver C7701	0.029	Copper	7440-50-8	55.5	0.190	0.342
				Iron	7439-89-6	0.13	0.0004	
				Manganese	7439-96-5	0.35	0.001	
				Nickel	7440-02-0	18	0.062	
				Lead	7439-92-1	0.02	0.00007	
				Zinc	7440-66-6	26	0.089	
17	Bracket	Stainless Steel 301	0.347	Carbon	7440-44-0	0.15	0.006	4.095
				Manganese	7439-96-5	2	0.082	
				Phosphorus	7723-14-0	0.045	0.002	
				Sulfur	7704-34-9	0.03	0.001	

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				Silicon	7440-21-3	1	0.041	
				Chromium	7440-47-3	17	0.696	
				Nickel	7440-02-0	7	0.287	
				Iron	7439-89-6	72.775	2.980	
18	O-Ring	Nitrile Rubber	0.01	Nitrile Rubber	9005-98-5	100	0.118	0.118
19	O-Ring	Synthetic Rubber	0.0523	Butadiene/acrylonitrile copolymer	9003-18-3	97	0.599	0.618
				Fatty Acids, C14-18 & C16-18-Unsatd	67701-06-8	1.5	0.009	
				Rosin, Potassium Salts	61790-50-9	1.5	0.009	
20	Lube	Lube	0.0015	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.010	0.018
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.001	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.006	
				Polyisobutylene	9003-27-4	6.2	0.001	
21	Lube	Lube	0.0015	Fluorosilicone	63148-56-1	100	0.018	0.018
22	Epoxy	Epoxy	0.089	Epoxy Resin	25085-99-8	49	0.515	1.051
				Antimony Trioxide	1309-64-4	11	0.116	
				Quartz, (SiO2)	14808-60-7	11	0.116	
				Aluminum Oxide	1344-28-1	11	0.116	
				Kaolin Clay	1332-58-7	9	0.095	
				Mg Alumino Silicate	1302-88-1	9	0.095	
23	Epoxy	Epoxy	0.015	Epoxy Resin	25085-99-8	51	0.090	0.177
				Quartz, (SiO2)	14808-60-7	34	0.060	
				Kaolin Clay	1332-58-7	15	0.027	
		Total weight	8.468					

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This Document was updated on: 09/16/2025

Important remarks:

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