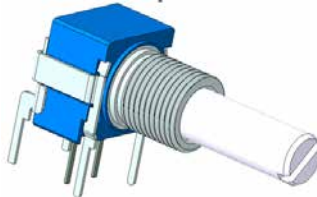


MATERIAL DECLARATION SHEET



Material Number	51AEN-XXX-BXXL			
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 C260	1.25	Copper	7440-50-8	70	7.435	10.622
				Zinc	7440-66-6	30	3.187	
		Plating	0.09	Nickel	7440-02-0	100	0.765	0.765
2	Lock Washer	C1050 Carbon Steel	0.169	Carbon	7440-44-0	0.5	0.0072	1.44
				Iron	7439-89-6	98.7	1.417	
				Manganese	7439-96-5	0.75	0.0108	
				Phosphorus	7723-14-0	0.02	0.0003	
				Sulphur	7704-34-9	0.03	0.0004	
		Plating	0.001	Nickel	10101-97-0	100	0.008	0.008
3	Bushing	Aluminum 2011-T3	1.036	Aluminum (Metal)	7429-90-5	92.93	8.181	8.803
				Bismuth	7440-69-9	0.4	0.035	
				Copper	7440-50-8	5.5	0.484	
				Iron	7439-89-6	0.345	0.030	
				Lead	7439-92-1	0.4	0.035	
				Silicon	7440-21-3	0.2	0.018	
				Zinc (Metal)	7440-66-6	0.15	0.013	
				Misc, Not to Declare	N/A	0.075	0.007	
		Plating	0.0032	Nickel	7440-02-0	100	0.027	0.027
4	Body Molded	Resin	0.659	PBT	26062-94-2	53.7	3.007	5.600
				Glass Fiber	65997-17-3	30	1.680	

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				Brominated Epoxy Resin	68928-70-1	10.5	0.588	
				Antimony Trioxide	1309-64-4	3	0.168	
				Pigment Blue 15	147-14-8	0.8	0.045	
				Further Additives, Not to Declare	N/A	2	0.112	
5	Substrate	Ceramic	0.3	Aluminum Oxide	1344-28-1	96	2.4	2.549
				Silicon Dioxide	7631-86-9	2	0.051	
				Magnesium Oxide	1309-48-4	1	0.025	
				Calcium Oxide	1305-78-8	1	0.025	
6	Ink	Ink	0.005	Silver	7440-22-4	92	0.039	0.042
				Bismuth in Glass	7440-69-9	2	0.0008	
				Copper	7440-50-8	1	0.0004	
				Glass w/o Declarable	65997-17-3	3.5	0.0015	
				Barium	7440-39-3	0.2	0.0001	
				Boron	7440-42-8	0.2	0.0001	
				Aluminum in Glass	7429-90-5	1.1	0.0005	
7	Ink	Ink	0.003	Formaldehyde, Polymer	28470-78-2	31	0.008	0.025
				Barium Sulfate	7727-43-7	16	0.004	
				Carbon Black	1333-86-4	9	0.002	
				DAIP Resin	1087-21-4	19	0.005	
				Phenolic Resin	9039-25-2	18	0.0046	
				Graphite	7782-42-5	5	0.001	
				Polydimethylsiloxane	63148-62-9	2	0.0005	
8	Ink	Ink	0.005	Formaldehyde, Polymer	28470-78-2	29.5	0.0125	0.042
				Carbon Black	1333-86-4	14.5	0.0062	
				DAIP Resin	1087-21-4	19	0.0081	
				Phenolic Resin	9039-25-2	19.5	0.0083	
				Carbon	7440-44-0	9.5	0.0040	
				Graphite	7782-42-5	5	0.0021	

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				Polydimethylsiloxane	63148-62-9	3	0.0013	
9	Terminal (X3)	Phosphor Bronze C510	0.12	Copper	7440-50-8	94.6	0.965	1.020
				Iron	7439-89-6	0.06	0.0006	
				Phosphorus	7723-14-0	0.19	0.0019	
				Lead	7439-92-1	0.025	0.0003	
				Tin	7440-31-5	5	0.051	
				Zinc (Metal)	7440-66-6	0.1	0.0010	
				Misc., not to Declare	N/A	0.025	0.0003	
		Plating-Cu	0.0015	Copper	7440-50-8	100	0.013	0.013
		Plating-Sn	0.008	Tin	7440-31-5	100	0.068	0.068
10	Shaft	Brass C360	6.85	Copper	7440-50-8	61.5	35.80	58.21
				Iron	7439-89-6	0.2	0.116	
				Lead	7439-92-1	3	1.746	
				Zinc	7440-66-6	35	20.37	
				Misc, not to Declare	N/A	0.3	0.175	
		Plating	0.015	Nickel	7440-02-0	100	0.127	0.127
11	Rotor	Resin	0.1757	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.985	1.493
				Glass Fiber	65997-17-3	32	0.478	
				Molybdenum Disulfide	1317-33-5	2	0.030	
12	Detent Spring	17-7 PH Stainless Steel	0.09	Aluminum (Metal)	7429-90-5	1.13	0.009	0.765
				Carbon	7440-44-0	0.045	0.0003	
				Chromium	7440-47-3	17	0.130	
				Iron	7439-89-6	73.655	0.563	
				Manganese	7439-96-5	0.5	0.004	
				Nickel	7440-02-0	7.13	0.055	
				Phosphorus	7723-14-0	0.02	0.0002	
				Sulphur	7704-34-9	0.02	0.0002	
				Silicon	7440-21-3	0.5	0.004	
13	Contact Spring	Nickel/Silver	0.029	Copper	7440-50-8	55.5	0.137	0.246

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		C7701		Iron	7439-89-6	0.13	0.0003	
				Manganese	7439-96-5	0.35	0.001	
				Nickel	7440-02-0	18	0.044	
				Lead	7439-92-1	0.02	0.00005	
				Zinc	7440-66-6	26	0.064	
14	Rear Cover	Resin	0.2107	PBT	26062-94-2	53.7	0.961	1.790
				Glass Fiber	65997-17-3	30	0.537	
				Brominated Epoxy Resin	68928-70-1	10.5	0.188	
				Antimony Trioxide	1309-64-4	3	0.054	
				Pigment Blue 15	147-14-8	0.8	0.014	
				Further Additives, Not to Declare	N/A	2	0.036	
15	O-Ring	Nitrile Rubber	0.01	Nitrile Rubber	9005-98-5	100	0.085	0.085
16	Bracket Plate Formed	301 Stainless Steel	0.347	Carbon	7440-44-0	0.15	0.004	2.95
				Manganese	7439-96-5	2	0.059	
				Phosphorus	7723-14-0	0.045	0.001	
				Sulfur	7704-34-9	0.03	0.001	
				Silicon	7440-21-3	1	0.029	
				Chromium	7440-47-3	17	0.501	
				Nickel	7440-02-0	7	0.206	
				Iron	7439-89-6	72.775	2.145	
		Plating-Sn	0.0032	Tin	744031-5	100	0.027	0.027
17	Rear Bracket	SPCC (Steel Plate Cold Commercial)	0.279	Carbon	7440-44-0	0.03	0.0007	2.371
				Manganese	7439-96-5	0.16	0.0038	
				Phosphorus	7723-14-0	0.013	0.0003	
				Sulfur	7704-34-9	0.008	0.0002	
				Silicon	7440-21-3	0.01	0.0002	
				Iron	7439-89-6	99.779	2.366	

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		Plating-Sn	0.001	Tin	744031-5	100	0.008	0.008
18	Lube	Lube	0.0015	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.007	0.013
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.001	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.004	
				Polyisobutylene	9003-27-4	6.2	0.001	
19	Lube	Lube	0.0015	Fluorosilicone	63148-56-1	100	0.013	0.013
20	Epoxy	Epoxy	0.089	Epoxy Resin	25085-99-8	49	0.371	0.756
				Antimony Trioxide	1309-64-4	11	0.083	
				Quartz, (SiO2)	14808-60-7	11	0.083	
				Aluminum Oxide	1344-28-1	11	0.083	
				Kaolin Clay	1332-58-7	9	0.068	
				Mg Alumino Silicate	1302-88-1	9	0.068	
21	Epoxy	Epoxy	0.015	Epoxy Resin	25085-99-8	51	0.065	0.127
				Quartz, (SiO2)	14808-60-7	34	0.043	
				Kaolin Clay	1332-58-7	15	0.019	
		Total weight	11.768					

This Document was updated on: **09/11/2025**

Important remarks:

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