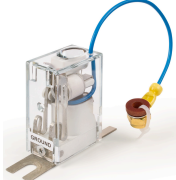


# MATERIAL DECLARATION SHEET

**BOURNS®**

Product Part Number	1675-0X			
Product Line	HLA protector			
MSL	1			
RoHS Compliant	No	Compliance Date	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substances	if applicable			
1	Base	PBT	15.1	PBT	30965-26-5	55	8.9166	16.2120
				Glass fiber	65997-17-3	30	4.8636	
				Antimony trioxide	1309-64-4	4	0.64848	
				TBBPA polycarbonate	Trade secret	11	1.78332	
		Y2M core	2.2	Ferric oxide	1309-37-1	50	1.181	2.3620
				Zinc oxide	1314-13-2	15	0.3543	
				Nickel Oxide	1313-99-1	20	0.4724	
				Copper oxide	1317-38-0	10	0.2362	
				Magnesium oxide	1309-48-4	5	0.1181	
	Varnish		0.1	Polyurethane	68400-67-9	100	0.1074	0.1074

# MATERIAL DECLARATION SHEET



		Magnet wire	13.7	Copper	7440-50-8	100	14.7088	14.7088
		Solder	0.1	Tin	7440-31-5	99.3	0.10665	0.1074
				Copper	7440-50-8	0.7	0.00075	
3	Fuse	Nickel plated brass	0.33	Nickel	7440-02-0	3.0	0.0106	0.3543
				Copper	7440-50-8	67	0.2374	
				Zinc	7440-66-6	30	0.1063	
		Soda lime	0.23	Soda lime	8006-28-8	100	0.2469	0.2469
		Solder	0.12	Tin	7440-31-5	91.7	0.1181	0.1288
				Copper	7440-50-8	8.3	0.0107	
		Tin plated copper	0.0036	Tin	7440-31-5	2.8	0.0001	0.0038
				Copper	7440-50-8	97.2	0.0037	
		Ceramic yarn	0.0066	Aluminum borate silica	12788-79-3	100	0.0071	0.0071
		Dye	0.0009	Fluorescein	2321-07-5	100	0.0010	0.0010
Ceramic	0.000165	Calcium sulfite	7778-18-9	97	0.00019	0.0002		
		Crystalline silica	14808-60-7	3	0.00001			

# MATERIAL DECLARATION SHEET

**BOURNS®**

4		Polyamide	0.0009	Polyamide	63428-83-1	100	0.0010	0.0010
		Adhesive	0.031	Aromatic dimethacry	24448-20-2	69.0	0.02298	0.0333
				Hydroxy methacrylate	278113-02	15.5	0.00516	
				Bisphenol A fumerate	39382-25-7	15.5	0.00516	
		Tin plated copper	0.42	Tin	7440-31-5	2.4	0.0108	0.4509
	Copper			7440-50-8	97.6	0.4401		
	Varistor	Zinc Oxide Disc	0.46	Zinc Oxide	1314-13-2	90.00	0.44451	0.4939
				Antimony Trioxide	1309-64-4	4.50	0.02222	
				Bismuth Oxide	1304-76-3	3.00	0.01482	
				Nickel Oxide	1314-06-3	1.00	0.00494	
				Cobalt Oxide	1307-96-6	0.50	0.00247	
				Silver	7440-22-4	1.00	0.00494	
		Solder	0.1	Tin	7440-31-5	96.5	0.103641	0.1074
	Silver			7440-22-4	3.0	0.003222		
Copper	7440-50-8			0.5	0.000537			

# MATERIAL DECLARATION SHEET

**BOURNS®**

		Insulating Paint	0.1	Aluminum hydroxide	21645-51-2	29.0	0.0311	0.1074
				Hexanedioic acid, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]	38810-23-0	71.0	0.0763	
		Wire Lead	0.98	Silver	7440-22-4	99.5	1.0469	1.0522
				Copper	7440-50-8	0.5	0.0053	
5	Insulator	Cellulose	0.1	Cellulose	9004-34-6	100	0.1074	0.1074
6	Cable wire	PTFE	0.86	Ethene, tetrafluoro-homopolymer	9002-84-0	100	0.9233	0.9233
		Copper silver plate	3.44	Silver	7440-22-4	98	3.6194	3.6933
				Copper	7440-50-8	2	0.0739	
7	Terminal	Tin copper wire	2.1	Tin	7440-31-5	1	0.0225	2.2546
				Copper	7440-50-8	99	2.2321	
		Vinyl insulator	0.4	Vinyl	75-01-4	100	0.4294	0.4294
		Insulator spacer	0.6	Phenolic resin	9003-35-4	100	0.6442	0.6442

# MATERIAL DECLARATION SHEET

**BOURNS®**

8	Bracket	Tin plated brass	4.9	Copper	7440-50-8	69.0	3.630	5.2608
				Zinc	7440-66-6	29.6	1.5572	
				Nickel	7440-02-0	0.35	0.0184	
				Tin	7440-31-5	1.05	0.0552	
9	Spring	Tin Beryllium copper	5.9	Copper	7440-50-8	96.7	6.1255	6.3345
				Beryllium	7440-41-7	1.9	0.1203	
				Tin	7440-31-5	1.4	0.0887	
10	Screw (2)	Zinc plated steel	1.6	Iron	7439-89-6	99.6	1.7109	1.7178
				Zinc	7440-66-6	0.4	0.0069	
11	Housing	Lexan 241-R	20.9	Bisphenol-A-carbonate	111211-39-3	100	22.4391	22.4391
12	Nut	Gold plated brass	5	Copper	7440-50-8	69.90	3.7524	5.3682
				Zinc	7440-66-6	29.91	1.6056	
				Nickel	7440-02-0	0.16	0.0086	
				Gold	7440-57-5	0.03	0.0016	

# MATERIAL DECLARATION SHEET



13	Label	Polyester	0.05	Polyester	113669-97-9	100	0.0537	0.0537
14	Label	Polyester	0.1	Polyester	113669-97-9	100	0.1074	0.1074
15	Tie wrap	Nylon	0.1	Polyamide 6	25038-54-4	100	0.1074	0.1074
16	Epoxy	Epoxy	4.9	4,4-Diphenylmethane diisocyanate (MDI)	101-68-8	14	0.7365	5.2609
				Diphenylmethane diisocyanate (MDI) homopolymer	25686-28-6	5.6	0.2946	
				Diphenylmethane diisocyanate (2,2,2,4)	26447-40-5	0.4	0.0210	
				Proprietary polyol	8001-79-4	79.2	4.1667	
				Dibutyl tin dilaurate	77-58-7	0.8	0.0421	
17	Gas discharge tube	Tin plated Copper	3.65	Copper	7440-50-8	99.38	3.8945	3.9188
				Tin	7440-31-5	0.54	0.0212	
				Lead	7439-92-1	0.08	0.0031	
		Ceramic	2.75	Aluminum oxide	1344-28-1	95	2.8049	2.9525
				Silicon dioxide	7631-86-9	5	0.1476	
		Cusil™	0.096	Silver	7440-22-4	72	0.0742	0.1031
				Copper	7440-50-8	28	0.0289	

# MATERIAL DECLARATION SHEET

**BOURNS®**

		Gas	0.0007	Argon	7440-37-1	100	0.0007	0.0007
		Black Ink	0.001	Ink (Proprietary mixture)	N/A	100	0.0011	0.0011
18	Terminal rear (copper)	Free oxygen copper	1.3	Copper	7440-50-8	98	1.3678	1.3957
				Lead	7439-92-1	0.3	0.0042	
				Tin	7440-31-5	1.7	0.0237	
19	Terminal front (copper)	Free oxygen copper	0.16	Copper	7440-50-8	98	0.1684	0.1718
				Lead	7439-92-1	0.3	0.0005	
				Tin	7440-31-5	1.7	0.0029	
20	Solder paste	CASTIN	0.15	Antimony	7440-36-0	0.5	0.0008	0.1610
				Copper	7440-50-8	0.8	0.0013	
				Silver	7440-22-4	2.5	0.0040	
				Tin	7440-31-5	96.2	0.1549	
21	Solder wire	Eutectic Sn/Pb	0.1	Tin	7440-31-5	63	0.0677	0.1074
				Lead	7439-92-1	37	0.0397	
		<b>Total weight</b>	<b>93.1409</b>					