

MATERIAL DECLARATION SHEET



Material Number	BPS110 series .15 PSI Differential Pressure Sensor			
Product Line	Sensors			
Compliance Date	September 12, 2018			
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	Ceramic substrate B	Alumina	0.881	Aluminum oxide	1344-28-1	96.3	64.9158	67.41
				Dimethyl phthalate	131-11-3	0.245	0.1652	
				Manganese oxide	1313-13-9	0.03	0.0202	
				Lead	7439-92-1	0.0075	0.0051	
				Silver	7440-22-4	2.3875	1.6094	
				Platinum	7440-06-4	0.03	0.0202	
				Gold	7440-57-5	1	0.6741	
2	MEMS Die B	Glass	0.0196	Borosilicate	65997-17-3	69.95	1.0492	1.50
				Silicon	7440-21-3	29.98	0.4497	
				Aluminum	7429-90-5	0.07	0.0011	
3	Capacitor	Capacitor	0.002	Ceramic materials and wares, chemicals	66402-68-4	96.77	0.1452	0.15
				Tin	7440-31-5	1.62	0.0024	
				Nickel	7440-02-0	1.61	0.0024	
4	Solder	Solder	0.0005	Tin	7440-31-5	96.15	0.0385	0.04
				Silver	7440-22-4	3.31	0.0013	
				Copper	7440-50-8	0.54	0.0002	
5	Plastic cover	PPS	0.3	Poly(1,4-phenylene sulfide)	26125-40-6	60	13.776	22.96

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				Glass fiber	65997-17-3	40	9.184	
6	Pin	Pin	0.1	Copper	7440-50-8	94	7.191	7.65
				Tin	7440-31-5	6	0.459	
				Silicon	7440-21-3	97.7817	0.2835	
7	ASIC Die 2	Die	0.0038	Aluminum	7429-90-5	0.1249	0.0004	0.29
				Polyimide	60842-76-4	1.4223	0.0041	
				Silicon dioxide	7631-86-9	0.4132	0.0012	
				Trisilicon-tetranitride	12033-89-5	0.2309	0.0007	
				Titanium nitride	25583-20-4	0.027	0.0001	
		Total weight	1.3069					

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Important remarks:

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