

MATERIAL DECLARATION SHEET



Material Number	BPS130-xxxx-1MG series Standard 30 PSIA Pressure Sensor			
Product Line	Sensors			
Compliance Date	October 3, 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	Alumina	0.4727	Aluminum oxide	1344-28-1	97.28	42.2973	43.48
				Silicon dioxide	14808-60-7	0.48	0.2087	
				Magnesium oxide	1309-48-4	0.48	0.2087	
				Titanium	7440-32-6	0.002	0.0009	
				Copper	7440-50-8	1.5814	0.6876	
				Nickel	7440-02-0	0.17	0.0739	
				Palladium	7440-05-3	0.0034	0.0015	
				Gold	7440-57-5	0.0032	0.0014	
2	MEMS Die	Glass	0.0344	Borosilicate	65997-17-3	58.29	1.8420	3.16
				Silicon	7440-21-3	41.57	1.3136	
				Aluminum	7429-90-5	0.0465	0.0015	
				Gold	7440-57-5	0.0935	0.0029	
3	Silicone	Silicone gel	0.02	2-Hydroxy-2-methyl-propiofenone	7473-98-5	1.3	0.0239	1.84
				Silicone resin		98.7	1.9161	
4	Resistor	Resistor	0.002	Ceramic materials and wares, chemicals	66402-68-4	96.77	0.1742	0.18

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				Tin	7440-31-5	1.62	0.0029	
				Nickel	7440-02-0	1.61	0.0029	
5	Capacitor	Capacitor	0.006	Ceramic materials and wares, chemicals	66402-68-4	96.77	0.5322	0.55
				Tin	7440-31-5	1.62	0.0089	
				Nickel	7440-02-0	1.61	0.0089	
6	Solder	Solder	0.004	Tin	7440-31-5	96.15	0.3558	0.37
				Silver	7440-22-4	3.31	0.0122	
				Copper	7440-50-8	0.54	0.0020	
7	ASIC Die	Die	0.0082	Silicon	7440-21-3	97.7817	0.7334	0.75
				Aluminum	7429-90-5	0.1249	0.0009	
				Polyimide	60842-76-4	1.4223	0.0107	
				Silicon dioxide	7631-86-9	0.4132	0.0031	
				Trisilicon-tetranitride	12033-89-5	0.2309	0.0017	
				Titanium nitride	25583-20-4	0.027	0.0002	
8	Ceramic cover	Alumina	0.54	Aluminum oxide	1344-28-1	90	44.703	49.67
				Silicon dioxide	7631-86-9	6.969697	3.462	
				Manganese dioxide	1313-13-9	2.575758	1.279	
				Iron oxide	1309-37-1	0.454545	0.226	
		Total weight	1.0873					

This Document was updated on: 6-13-2019

Important remarks:

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