

MATERIAL DECLARATION SHEET



Material Number	BPS130-HA300P-3S series Pins, Ferrule 300 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	0.473	Aluminum oxide	1344-28-1	97.28	32.7444	33.66
				Silicon dioxide	14808-60-7	0.48	0.1616	
				Magnesium oxide	1309-48-4	0.48	0.1616	
				Titanium	7440-32-6	0.002	0.0007	
				Copper	7440-50-8	1.5814	0.5323	
				Nickel	7440-02-0	0.17	0.0572	
				Palladium	7440-05-3	0.0034	0.0011	
				Gold	7440-57-5	0.0032	0.0108	
2	MEMS Die	Glass	0.034	Borosilicate	65997-17-3	58.29	1.4106	2.42
				Silicon	7440-21-3	41.57	1.0060	
				Aluminum	7429-90-5	0.0465	0.0004	
				Gold	7440-57-5	0.0935	0.0013	
3	Silicone	Silicone gel	0.02	2-Hydroxy-2-methyl-propiofenone	7473-98-5	1.3	0.0185	1.42
				Silicone resin		98.7	1.4015	

MATERIAL DECLARATION SHEET



4	Resistor	Resistor	0.002	Ceramic materials and wares, chemicals	66402-68-4	96.77	0.1355	0.14
				Tin	7440-31-5	1.62	0.0023	
				Nickel	7440-02-0	1.61	0.0022	
5	Capacitor	Capacitor	0.006	Ceramic materials and wares, chemicals	66402-68-4	96.77	0.4161	0.43
				Tin	7440-31-5	1.62	0.0070	
				Nickel	7440-02-0	1.61	0.0069	
6	Solder	Solder	0.004	Tin	7440-31-5	96.15	0.2788	0.29
				Silver	7440-22-4	3.31	0.0096	
				Copper	7440-50-8	0.54	0.0016	
7	Kovar Eyelet	Kovar	0.224	Iron	7439-89-6	53.999	8.6074	15.94
				Nickel	7440-02-0	29	4.6226	
				Cobalt	7440-48-4	17	2.7098	
				Gold	7440-57-5	0.001	0.0002	
8	Copper pin	Copper with tin plating	0.091	Copper	7440-50-8	94	6.0912	6.48
				Tin	7440-31-5	6	0.3888	
9	ASIC die	Die	0.008	Silicon	7440-21-3	97.7817	0.5574	0.57
				Aluminum	7429-90-5	0.1249	0.0007	
				Polyimide	60842-76-4	1.4223	0.0081	
				Silicon dioxide	7631-86-9	0.4132	0.0024	
				Trisilicon-tetranitride	12033-89-5	0.2309	0.0013	
				Titanium nitride	25583-20-4	0.027	0.0001	
10	Ceramic cover	Alumina	0.543	Aluminum oxide	1344-28-1	90	34.785	38.65
				Silicon dioxide	7631-86-9	6.969697	2.694	
				Manganese dioxide	1313-13-9	2.575758	0.995	
				Iron oxide	1309-37-1	0.454545	0.176	
		Total weight	1.405					

MATERIAL DECLARATION SHEET

BOURNS[®]

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.