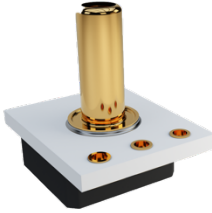


# MATERIAL DECLARATION SHEET



Material Number	BPS130-xxxx-1SG series 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	35.0208	36.00
				Silicon dioxide	14808-60-7	0.48	0.1728	
				Magnesium oxide	1309-48-4	0.48	0.1728	
				Titanium	7440-32-6	0.002	0.0007	
				Copper	7440-50-8	1.5814	0.5693	
				Nickel	7440-02-0	0.17	0.0612	
				Palladium	7440-05-3	0.0034	0.0012	
				Gold	7440-57-5	0.0032	0.0012	
2	MEMS Die	Glass	0.034	Borosilicate	65997-17-3	58.29	1.5097	2.59
				Silicon	7440-21-3	41.57	1.0767	
				Aluminum	7429-90-5	0.0465	0.0012	
				Gold	7440-57-5	0.0935	0.0024	
3	Silicone	Silicone gel	0.02	2-Hydroxy-2-methyl-propiofenone	7473-98-5	1.3	0.0198	1.52
				Silicone resin		98.7	1.5002	
4	Resistor	Resistor	0.002	Ceramic materials and wares, chemicals	66402-68-4	96.77	0.1452	0.15

# MATERIAL DECLARATION SHEET



				Tin	7440-31-5	1.62	0.0024	
				Nickel	7440-02-0	1.61	0.0024	
5	Capacitor	Capacitor	0.006	Ceramic materials and wares, chemicals	66402-68-4	96.77	0.4451	0.46
				Tin	7440-31-5	1.62	0.0075	
				Nickel	7440-02-0	1.61	0.0074	
6	Solder	Solder	0.004	Tin	7440-31-5	96.15	0.2885	0.30
				Silver	7440-22-4	3.31	0.0099	
				Copper	7440-50-8	0.54	0.0016	
7	Kovar Eyelet	Kovar	0.224	Iron	7439-89-6	53.999	9.2068	17.05
				Nickel	7440-02-0	29	4.9445	
				Cobalt	7440-48-4	17	2.8985	
				Gold	7440-57-5	0.001	0.0002	
8	ASIC Die	Die	0.008	Silicon	7440-21-3	97.7817	0.5964	0.61
				Aluminum	7429-90-5	0.1249	0.0008	
				Polyimide	60842-76-4	1.4223	0.0087	
				Silicon dioxide	7631-86-9	0.4132	0.0025	
				Trisilicon-tetranitride	12033-89-5	0.2309	0.0014	
				Titanium nitride	25583-20-4	0.027	0.0002	
9	Ceramic cover	Alumina	0.543	Aluminum oxide	1344-28-1	90	37.188	41.32
				Silicon dioxide	7631-86-9	6.969697	2.8799	
				Manganese dioxide	1313-13-9	2.575758	1.0643	
				Iron oxide	1309-37-1	0.454545	0.1878	
		Total weight	1.314					

**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.