

## Material Declaration for P25-1223

Product Information	
Part Number:	P25-1223
Part Description:	Spring probe
Part Weight (g):	0.162

Process Data	
Peak Reflow (Deg. C)	260°C for 10 seconds
Termination Finish	Gold over Nickel
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Probe barrel/body - Brass	0.0519	4%	Copper	7440-50-8
	0.0311	4%	Zinc	7440-66-6
	0	0.000042g max	Iron (impurity only)	7439-89-6
	0	0.000075g max	Lead (impurity only)	7439-92-1
	0	0.000249g max	Other Impurities	
Probe barrel/body - Plating	0.00174	10%	Nickel	7440-02-0
	0.000252	20%	Gold	7440-57-5
Probe head/plunger - Beryllium Copper	0.0621	3%	Copper	7440-50-8
	0.00126	1%	Beryllium	7440-41-7
	0.000256	0.5%	Lead	7439-92-1
	0	0.000192g max	Cobalt (impurity only)	7440-48-4
	0	0.000192g max	Nickel (impurity only)	7440-02-0
	0	0.000192g max	Iron (impurity only)	7439-89-6
	0	0.000032g max	Other Impurities	
	0.000834	10%	Nickel	7440-02-0
	0.00009	20%	Gold	7440-57-5
Probe Spring - Stainless Steel	0.00861	10%	Iron	7439-89-6
	0	0.00001g max	Carbon (impurity only)	7440-44-0
	0	0.00012g max	Silicon (impurity only)	7440-21-3
	0	0.00024g max	Manganese (impurity only)	7439-96-5
	0	0.000005g max	Phosphorus (impurity only)	7723-14-0
	0	0.000004g max	Sulphur (impurity only)	7704-34-9
	0.00117	3%	Nickel	7440-02-0
	0.00228	2%	Chromium (Metallic)	7440-47-3

Prepared by:

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On behalf of:

**HARWIN**