

## Material Declaration for P25-0423

Product Information	
Part Number:	P25-0423
Part Description:	Spring Probe
Part Weight (g):	0.194

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Probe Barrel/Body - Brass	0.0585	4%	Copper	7440-50-8
	0.0314	4%	Zinc	7440-66-6
	0	0.00005g max	Iron (impurity only)	7439-89-6
Probe Barrel/Body - Plating	0	0.00005g max	Lead (impurity only)	7439-92-1
	0.00074	10%	Nickel	7440-02-0
	0.000008	20%	Gold	7440-57-5
Probe Head/Plunger - Beryllium Copper	0.0878	3%	Copper	7440-50-8
	0.00171	1%	Beryllium	7440-41-7
	0.00021	1%	Lead	7439-92-1
	0	0.00014g max	Cobalt (impurity only)	7440-48-4
	0	0.00014g max	Nickel (impurity only)	7440-02-0
	0	0.00002g max	Other Impurities	-
	0.00026	10%	Nickel	7440-02-0
Probe Head/Plunger - Plating	0.000002	20%	Gold	7440-57-5
Probe Spring - Stainless Steel	0.00957	10%	Iron	7439-89-6
	0.00266	2%	Chromium (metallic)	7440-47-3
	0.00133	3%	Nickel	7440-02-0
	0	0.000011g max	Carbon (impurity only)	7440-44-0
	0	0.00014g max	Silicon (impurity only)	7440-21-3
	0	0.00028g max	Manganese (impurity only)	7439-96-5
	0	0.000006g max	Phosphorus (impurity only)	7723-14-0
	0	0.000004g max	Sulphur (impurity only)	7704-34-9

Prepared by: *M. J. Perry*

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On behalf of: **HARWIN**