



RS4 Material Safety Data Sheet

Material Content Declaration					
Material name	Substance name e.g. Copper (Cu), Gold (Au)	CAS no., if known	Substance mass (mg)	% OF Weight (%)	ppm Of Total Weight
Lead Wire 35.62%	Copper (Cu)	7440-50-8	1,830.630	99.9760	356,168.2
	Phosphorus (P)	7723-14-0	0.018	0.0010	3.6
	Arsenic (As)	7440-38-2	0.018	0.0010	3.6
	Tin (Sn)	7440-31-5	0.018	0.0010	3.6
	Oxygen (O)	7782-44-7	0.009	0.0005	1.8
	Sulfur (S)	7704-34-9	0.220	0.0120	42.7
	Iron (Fe)	7439-89-6	0.012	0.0007	2.4
	Nickel (Ni)	7440-02-0	0.005	0.0003	1.1
	Bismuth (Bi)	7440-69-9	0.037	0.0020	7.1
	Antimony (Sb)	1309-64-4	0.037	0.0020	7.1
	Lead (Pb)	7439-92-1	0.009	0.0005	1.8
	Zinc (Zn)	7440-66-6	0.055	0.0030	10.7
		Total		1,831.07	
Solder Wafer 0.41%	Lead (Pb)	7439-92-1	19.74	92.50	3,839.8
	Tin (Sn)	7440-31-5	1.07	5.00	207.6
	Silver (Ag)	7440-22-4	0.53	2.50	103.8
		Total		21.34	
Chip 0.28%	Silicon (Si)	7440-21-3	14.67	100.00	2,853.2
		Total	14.67		
Molding 63.56%	Epoxy	25928-94-3	3,267.10	100.00	635,648.5
		Total	3,267.10		
Plating 0.13%	Tin (Sn)	7440-31-5	5.62	100.00	1,093.6
		Total	5.62		
	Total mass (mg)		5,139.79		