



RS1 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 28.49%	Copper (Cu)	7440-50-8	414.718	99.9787	284,823.7
	Phosphorus (P)	7723-14-0	0.004	0.0010	2.8
	Arsenic (As)	7440-38-2	0.004	0.0010	2.8
	Tin (Sn)	7440-31-5	0.004	0.0010	2.8
	Oxygen (O)	7782-44-7	0.002	0.0005	1.4
	Sulfur (S)	7704-34-9	0.050	0.0120	34.2
	Iron (Fe)	7439-89-6	0.003	0.0007	1.9
	Nickel (Ni)	7440-02-0	0.001	0.0003	0.9
	Bismuth (Bi)	7440-69-9	0.008	0.0020	5.7
	Antimony (Sb)	1309-64-4	0.008	0.0020	5.7
	Lead (Pb)	7439-92-1	0.002	0.0005	1.4
	Zinc (Zn)	7440-66-6	0.001	0.0003	0.9
	Total			414.81	
Solder Wafer 0.49%	Lead (Pb)	7439-92-1	6.66	92.50	4,574.0
	Tin (Sn)	7440-31-5	0.36	5.00	247.2
	Silver (Ag)	7440-22-4	0.18	2.50	123.6
	Total			7.20	
Chip 0.31%	Silicon (Si)	7440-21-3	4.56	100.00	3,131.8
	Total			4.56	
Molding 70.32%	Epoxy	25928-94-3	1,023.90	100.00	703,203.4
	Total			1,023.90	
Plating 0.39%	Tin (Sn)	7440-31-5	5.59	100.00	3,835.7
	Total			5.59	
Total mass (mg)			1,456.05		