



**TO247 Material Safety Data Sheet**

<b>Material Content Declaration</b>					
<b>Material name</b>	<b>Substance name, e.g. Copper (Cu)</b>	<b>CAS no., if known</b>	<b>Substance mass (mg)</b>	<b>% OF Weight (%)</b>	<b>ppm Of Total Weight</b>
<b>Lead Wire 62.79%</b>	Copper (Cu)	7440-50-8	3984.3000	99.9937	664,054.8
	Phosphorus (P)	7723-14-0	0.0118	0.0003	2.0
	Arsenic (As)	7440-38-2	0.0118	0.0003	2.0
	Tin (Sn)	7440-31-5	0.0118	0.0003	2.0
	Oxygen (O)	7782-44-7	0.0059	0.0001	1.0
	Sulfur (S)	7704-34-9	0.1419	0.0036	23.6
	Iron (Fe)	7439-89-6	0.0078	0.0002	1.3
	Nickel (Ni)	7440-02-0	0.0035	0.0001	0.6
	Bismuth (Bi)	7440-69-9	0.0236	0.0006	3.9
	Antimony (Sb)	1309-64-4	0.0236	0.0006	3.9
	Lead (Pb)	7439-92-1	0.0059	0.0001	1.0
	Zinc (Zn)	7440-66-6	0.0035	0.0001	0.6
	<b>Total</b>			<b>3,984.55</b>	
<b>Solder Wafer 0.44%</b>	Lead (Pb)	7439-92-1	7.701	92.50	1,283.5
	Tin (Sn)	7440-31-5	0.416	5.00	69.3
	Silver (Ag)	7440-22-4	0.208	2.50	34.7
	<b>Total</b>			<b>8.33</b>	
<b>Chip 0.39%</b>	Silicon (Si)	7440-21-3	7.32	100.00	1,220.0
	<b>Total</b>			<b>7.32</b>	
<b>Molding 36.32%</b>	Epoxy	25928-94-3	1998.75	100.00	333,127.4
	<b>Total</b>			<b>1,998.75</b>	
<b>Plating 0.05%</b>	Tin (Sn)	7440-31-5	1.01	100.00	168.3
	<b>Total</b>			<b>1.01</b>	
	<b>Total mass (mg)</b>		<b>5,999.96</b>		