

# Material Declaration Form

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Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS5162A-ASOP	SOIC8, 3.81mm	186210091	8	71.23	Malaysia	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	2.63	Si	Silicon	100.00	7440-21-3	2.63000	3.69226	36923
<b>Subtotal:</b>				<b>100.00</b>		<b>2.63000</b>	<b>3.69226</b>	<b>36923</b>
Leadframe	24.26	Ag	Silver	1.00	7440-22-4	0.24260	0.34059	3406
		Cu	Copper	98.94	7440-50-8	24.00284	33.69766	336977
		Zr	Zirconium	0.06	7440-67-7	0.01456	0.02044	204
<b>Subtotal:</b>				<b>100.00</b>		<b>24.26000</b>	<b>34.05868</b>	<b>340587</b>
Adhesive	1.13	Ag	Silver	80.00	7440-22-4	0.90400	1.26913	12691
			Carbocyclic Acrylates	15.00	3066-71-5	0.16950	0.23796	2380
			Epoxy Resin	5.00	25928-94-3	0.05650	0.07932	793
<b>Subtotal:</b>				<b>100.00</b>		<b>1.13000</b>	<b>1.58641</b>	<b>15864</b>
Wire	0.3	Au	Gold	99.00	7440-57-5	0.29700	0.41696	4170
		Pd	Palladium	1.00	7440-05-3	0.00300	0.00421	42
<b>Subtotal:</b>				<b>100.00</b>		<b>0.30000</b>	<b>0.42117</b>	<b>4212</b>
Plating	1.37	Sn	Tin	100.00	7440-31-5	1.37000	1.92335	19233
<b>Subtotal:</b>				<b>100.00</b>		<b>1.37000</b>	<b>1.92335</b>	<b>19233</b>
Moldcompound	41.54	SiO2	Silica	87.00	60676-86-0	36.13980	50.73677	507368
			Carbon Black	0.20	1333-86-4	0.08308	0.11664	1166
			Epoxy Resin	8.00	25928-94-3	3.32320	4.66545	46654
			Phenol Resin	4.80	28064-14-4	1.99392	2.79927	27993
<b>Subtotal:</b>				<b>100.00</b>		<b>41.54000</b>	<b>58.31812</b>	<b>583181</b>
<b>Total:</b>	<b>71.23</b>					<b>71.23</b>	<b>100.00000</b>	<b>1000000</b>

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