

# 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
AS1113-BSSU	QSOP 150 MIL	176170062	24	166.82	Malaysia	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Adhesive	0.42	Ag	Silver	80.00	7440-22-4	0.33600	0.20141	2014
			Carbocyclic Acrylates	15.00	3066-71-5	0.06300	0.03777	378
			Epoxy Resin	5.00	25928-94-3	0.02100	0.01259	126
			<b>Subtotal:</b>	<b>100.00</b>		<b>0.42000</b>	<b>0.25177</b>	<b>2518</b>
Wire	0.37	Au	Gold	100.00	7440-57-5	0.37000	0.22180	2218
			<b>Subtotal:</b>	<b>100.00</b>		<b>0.37000</b>	<b>0.22180</b>	<b>2218</b>
Leadframe	64.52	Cu	Copper	97.50	7440-50-8	62.90700	37.70951	377095
			Fe	2.40	7439-89-6	1.54848	0.92823	9282
			Zn	0.10	7440-66-6	0.06452	0.03868	387
			<b>Subtotal:</b>	<b>100.00</b>		<b>64.52000</b>	<b>38.67642</b>	<b>386764</b>
Plating	3.56	Sn	Tin	100.00	7440-31-5	3.56000	2.13404	21340
			<b>Subtotal:</b>	<b>100.00</b>		<b>3.56000</b>	<b>2.13404</b>	<b>21340</b>
IC	2.34	Si	Silicon	95.00	7440-21-3	2.22300	1.33257	13326
			Polyimide	5.00	58698-66-1	0.11700	0.07014	701
			<b>Subtotal:</b>	<b>100.00</b>		<b>2.34000</b>	<b>1.40271</b>	<b>14027</b>
Moldcompound	95.61	SiO2	Silica	87.00	60676-86-0	83.18070	49.86255	498625
			Carbon Black	0.20	1333-86-4	0.19122	0.11463	1146
			Epoxy Resin	8.00	25928-94-3	7.64880	4.58506	45851
			Phenol Resin	4.80	28064-14-4	4.58928	2.75104	27510
			<b>Subtotal:</b>	<b>100.00</b>		<b>95.61000</b>	<b>57.31327</b>	<b>573133</b>
<b>Total:</b>	<b>166.82</b>					<b>166.82</b>	<b>100.00000</b>	<b>1000000</b>

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