

# Material Declaration Form

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ams AG  
Tobelbader Strasse 30  
A-8141 Premstaetten, Austria  
Tel +43 (0) 3136 500-0



Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS5045	SSOP 5.31 MM	176070003	16	143.27	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	45.57	Ag	Silver	0.30	7440-22-4	0.13671	0.09542	954
		Cu	Copper	97.25	7440-50-8	44.31683	30.93238	309324
		Fe	Iron	2.30	7439-89-6	1.04811	0.73156	7316
		Zn	Zinc	0.15	7440-66-6	0.06836	0.04771	477
		<b>Subtotal:</b>	<b>100.00</b>	<b>45.57000</b>	<b>31.80708</b>	<b>318071</b>		
Adhesive	2.12	Ag	Silver	73.00	7440-22-4	1.54760	1.08020	10802
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.06360	0.04439	444
			Epoxy Resin	21.00	25928-94-3	0.44520	0.31074	3107
			Silver Oxide	3.00	1301-96-8	0.06360	0.04439	444
		<b>Subtotal:</b>	<b>100.00</b>	<b>2.12000</b>	<b>1.47972</b>	<b>14797</b>		
IC	9.3	Si	Silicon	100.00	7440-21-3	9.30000	6.49124	64912
		<b>Subtotal:</b>	<b>100.00</b>	<b>9.30000</b>	<b>6.49124</b>	<b>64912</b>		
Wire	0.33	Au	Gold	100.00	7440-57-5	0.33000	0.23033	2303
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.33000</b>	<b>0.23033</b>	<b>2303</b>		
Moldcompound	83.83	SiO2	Silica Fused	86.00	60676-86-0	72.09380	50.32023	503202
			Carbon Black	0.50	1333-86-4	0.41915	0.29256	2926
			Epoxy Resin	7.50	25928-94-3	6.28725	4.38839	43884
			Phenol Resin	6.00	28064-14-4	5.02980	3.51071	35107
		<b>Subtotal:</b>	<b>100.00</b>	<b>83.83000</b>	<b>58.51190</b>	<b>585119</b>		
Plating	2.12	Sn	Tin	100.00	7440-31-5	2.12000	1.47972	14797
		<b>Subtotal:</b>	<b>100.00</b>	<b>2.12000</b>	<b>1.47972</b>	<b>14797</b>		

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
<b>Total:</b>	<b>143.27</b>					<b>143.27</b>	<b>100.00000</b>	<b>1000000</b>

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