

# 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-ASST	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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