

# 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
AS5040-ASSM	SSOP 5.3 MM	172860002	16	143	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	45.5	Ag	Silver	0.30	7440-22-4	0.13650	0.09545	955
		Cu	Copper	97.25	7440-50-8	44.24875	30.94318	309432
		Fe	Iron	2.30	7439-89-6	1.04650	0.73182	7318
		Zn	Zinc	0.15	7440-66-6	0.06825	0.04773	477
		<b>Subtotal:</b>			<b>100.00</b>		<b>45.50000</b>	<b>31.81818</b>
Adhesive	2.05	Ag	Silver	73.00	7440-22-4	1.49650	1.04650	10465
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.06150	0.04301	430
			Epoxy Resin	21.00	25928-94-3	0.43050	0.30105	3010
			Silver Oxide	3.00	1301-96-8	0.06150	0.04301	430
		<b>Subtotal:</b>			<b>100.00</b>		<b>2.05000</b>	<b>1.43357</b>
IC	9.3	Si	Silicon	100.00	7440-21-3	9.30000	6.50350	65035
<b>Subtotal:</b>				<b>100.00</b>		<b>9.30000</b>	<b>6.50350</b>	<b>65035</b>
Wire	0.33	Au	Gold	100.00	7440-57-5	0.33000	0.23077	2308
<b>Subtotal:</b>				<b>100.00</b>		<b>0.33000</b>	<b>0.23077</b>	<b>2308</b>
Moldcompound	83.8	SiO2	Silica Fused	86.00	60676-86-0	72.06800	50.39720	503972
			Carbon Black	0.50	1333-86-4	0.41900	0.29301	2930
			Epoxy Resin	7.50	25928-94-3	6.28500	4.39510	43951
			Phenol Resin	6.00	28064-14-4	5.02800	3.51608	35161
		<b>Subtotal:</b>			<b>100.00</b>		<b>83.80000</b>	<b>58.60140</b>
Plating	2.02	Sn	Tin	100.00	7440-31-5	2.02000	1.41259	14126
<b>Subtotal:</b>				<b>100.00</b>		<b>2.02000</b>	<b>1.41259</b>	<b>14126</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</b>					<b>143.00</b>	<b>100.00000</b>	<b>1000000</b>

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