

# Product Document

# 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
AS8510-ASSP	SSOP 5.3 MM	183200010	20	164.3	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	7.81	Si	Silicon	100.00	7440-21-3	7.81000	4.75350	47535
<b>Subtotal:</b>				<b>100.00</b>		<b>7.81000</b>	<b>4.75350</b>	<b>47535</b>
Moldcompound	102.34	SiO2	Silica Fused	86.00	60676-86-0	88.01240	53.56811	535681
			Carbon Black	0.50	1333-86-4	0.51170	0.31144	3114
			Epoxy Resin	7.50	25928-94-3	7.67550	4.67164	46716
			Phenol Resin	6.00	28064-14-4	6.14040	3.73731	37373
<b>Subtotal:</b>				<b>100.00</b>		<b>102.34000</b>	<b>62.28850</b>	<b>622885</b>
Leadframe	49.22	Ag	Silver	0.30	7440-22-4	0.14766	0.08987	899
		Cu	Copper	97.25	7440-50-8	47.86645	29.13357	291336
		Fe	Iron	2.30	7439-89-6	1.13206	0.68902	6890
		Zn	Zinc	0.15	7440-66-6	0.07383	0.04494	449
<b>Subtotal:</b>				<b>100.00</b>		<b>49.22000</b>	<b>29.95740</b>	<b>299574</b>
Adhesive	1.87	Ag	Silver	73.00	7440-22-4	1.36510	0.83086	8309
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.05610	0.03414	341
			Epoxy Resin	21.00	25928-94-3	0.39270	0.23901	2390
			Silver Oxide	3.00	1301-96-8	0.05610	0.03414	341
<b>Subtotal:</b>				<b>100.00</b>		<b>1.87000</b>	<b>1.13816</b>	<b>11382</b>
Wire	0.4	Au	Gold	99.00	7440-57-5	0.39600	0.24102	2410
		Pd	Palladium	1.00	7440-05-3	0.00400	0.00243	24
<b>Subtotal:</b>				<b>100.00</b>		<b>0.40000</b>	<b>0.24346</b>	<b>2435</b>

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	2.66	Sn	Tin	100.00	7440-31-5	2.66000	1.61899	16190
		<b>Subtotal:</b>		<b>100.00</b>		<b>2.66000</b>	<b>1.61899</b>	<b>16190</b>
<b>Total:</b>	<b>164.3</b>					<b>164.30</b>	<b>100.00000</b>	<b>1000000</b>

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