

# Material Declaration Form

Page 1

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
AS5115A-HSSP	SSOP 5.3mm	180850061	16	141.52	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	42.76	Ag	Silver	0.30	7440-22-4	0.12828	0.09064	906
		Cu	Copper	97.25	7440-50-8	41.58410	29.38390	293839
		Fe	Iron	2.30	7439-89-6	0.98348	0.69494	6949
		Zn	Zinc	0.15	7440-66-6	0.06414	0.04532	453
		<b>Subtotal:</b>	<b>100.00</b>			<b>42.76000</b>	<b>30.21481</b>	<b>302148</b>
Adhesive	2.25	Ag	Silver	73.00	7440-22-4	1.64250	1.16061	11606
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.06750	0.04770	477
			Epoxy Resin	21.00	25928-94-3	0.47250	0.33388	3339
			Silver Oxide	3.00	1301-96-8	0.06750	0.04770	477
		<b>Subtotal:</b>	<b>100.00</b>			<b>2.25000</b>	<b>1.58988</b>	<b>15899</b>
IC	10.48	Si	Silicon	100.00	7440-21-3	10.48000	7.40531	74053
<b>Subtotal:</b>	<b>100.00</b>			<b>10.48000</b>	<b>7.40531</b>	<b>74053</b>		
Wire	0.33	Au	Gold	99.00	7440-57-5	0.32670	0.23085	2309
		Pd	Palladium	1.00	7440-05-3	0.00330	0.00233	23
		<b>Subtotal:</b>	<b>100.00</b>			<b>0.33000</b>	<b>0.23318</b>	<b>2332</b>
Moldcompound	83.58	SiO2	Silica Fused	86.00	60676-86-0	71.87880	50.79056	507906
			Carbon Black	0.50	1333-86-4	0.41790	0.29529	2953
			Epoxy Resin	7.50	25928-94-3	6.26850	4.42941	44294
			Phenol Resin	6.00	28064-14-4	5.01480	3.54353	35435
		<b>Subtotal:</b>	<b>100.00</b>			<b>83.58000</b>	<b>59.05879</b>	<b>590588</b>

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Page 2

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	2.12	Sn	Tin	100.00	7440-31-5	2.12000	1.49802	14980
		<b>Subtotal:</b>		<b>100.00</b>		<b>2.12000</b>	<b>1.49802</b>	<b>14980</b>
<b>Total:</b>	<b>141.52</b>					<b>141.52</b>	<b>100.00000</b>	<b>1000000</b>

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