

# Product Document

# 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
AS5306A	TSSOP 4.4MM	178750017	20	82.01	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Adhesive	1.64	Ag	Silver	73.00	7440-22-4	1.19720	1.45982	14598
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.04920	0.05999	600
			Epoxy Resin	21.00	25928-94-3	0.34440	0.41995	4199
			Silver Oxide	3.00	1301-96-8	0.04920	0.05999	600
		<b>Subtotal:</b>			<b>100.00</b>			<b>1.64000</b>
Wire	0.42	Au	Gold	100.00	7440-57-5	0.42000	0.51213	5121
		<b>Subtotal:</b>			<b>100.00</b>		<b>0.42000</b>	<b>0.51213</b>
Plating	1.95	Sn	Tin	100.00	7440-31-5	1.95000	2.37776	23778
		<b>Subtotal:</b>			<b>100.00</b>		<b>1.95000</b>	<b>2.37776</b>
IC	8.17	Si	Silicon	100.00	7440-21-3	8.17000	9.96220	99622
		<b>Subtotal:</b>			<b>100.00</b>		<b>8.17000</b>	<b>9.96220</b>
Moldcompound	31.69	SiO2	Silica Fused	85.00	60676-86-0	26.93650	32.84538	328454
			Carbon Black	0.30	1333-86-4	0.09507	0.11592	1159
			Epoxy Resin	9.00	25928-94-3	2.85210	3.47775	34777
			Phenol Resin	5.70	28064-14-4	1.80633	2.20257	22026
		<b>Subtotal:</b>			<b>100.00</b>		<b>31.69000</b>	<b>38.64163</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)
Leadframe	38.14	Ag	Silver	0.30	7440-22-4	0.11442	0.13952	1395
		Cu	Copper	95.90	7440-50-8	36.57626	44.59976	445998
		Mg	Magnesium	0.15	7439-95-4	0.05721	0.06976	698
		Ni	Nickel	3.00	7440-02-0	1.14420	1.39520	13952
		Si	Silicon	0.65	7440-21-3	0.24791	0.30229	3023
<b>Subtotal:</b>				<b>100.00</b>		<b>38.14000</b>	<b>46.50652</b>	<b>465065</b>
<b>Total:</b>	<b>82.01</b>					<b>82.01</b>	<b>100.00000</b>	<b>1000000</b>

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