

# 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
AS5145B-HSSM	SSOP 5.3mm	177710098	16	140.73	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	42.02	Ag	Silver	0.30	7440-22-4	0.12606	0.08958	896
		Cu	Copper	97.25	7440-50-8	40.86445	29.03748	290375
		Fe	Iron	2.30	7439-89-6	0.96646	0.68675	6867
		Zn	Zinc	0.15	7440-66-6	0.06303	0.04479	448
		<b>Subtotal:</b>		<b>100.00</b>		<b>42.02000</b>	<b>29.85859</b>	<b>298586</b>
Adhesive	2.12	Ag	Silver	73.00	7440-22-4	1.54760	1.09969	10997
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.06360	0.04519	452
			Epoxy Resin	21.00	25928-94-3	0.44520	0.31635	3164
			Silver Oxide	3.00	1301-96-8	0.06360	0.04519	452
		<b>Subtotal:</b>		<b>100.00</b>		<b>2.12000</b>	<b>1.50643</b>	<b>15064</b>
IC	9.3	Si	Silicon	100.00	7440-21-3	9.30000	6.60840	66084
		<b>Subtotal:</b>		<b>100.00</b>		<b>9.30000</b>	<b>6.60840</b>	<b>66084</b>
Wire	0.33	Au	Gold	99.00	7440-57-5	0.32670	0.23215	2321
		Pd	Palladium	1.00	7440-05-3	0.00330	0.00234	23
		<b>Subtotal:</b>		<b>100.00</b>		<b>0.33000</b>	<b>0.23449</b>	<b>2345</b>
Moldcompound	84.84	SiO2	Silica Fused	86.00	60676-86-0	72.96240	51.84566	518457
			Carbon Black	0.50	1333-86-4	0.42420	0.30143	3014
			Epoxy Resin	7.50	25928-94-3	6.36300	4.52142	45214
			Phenol Resin	6.00	28064-14-4	5.09040	3.61714	36171
		<b>Subtotal:</b>		<b>100.00</b>		<b>84.84000</b>	<b>60.28565</b>	<b>602857</b>

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	2.12	Sn	Tin	100.00	7440-31-5	2.12000	1.50643	15064
Subtotal:				100.00		2.12000	1.50643	15064
Total:	140.73					140.73	100.00000	1000000

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