

# 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
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>
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>
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>
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>

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

**Material Declaration Form**

Page 2

ams AG  
Tobelbader Strasse 30  
A-8141 Premstaetten, Austria  
Tel +43 (0) 3136 500-0



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
<b>Subtotal:</b>				<b>100.00</b>		<b>2.12000</b>	<b>1.50643</b>	<b>15064</b>
<b>Total:</b>	<b>140.73</b>					<b>140.73</b>	<b>100.00000</b>	<b>1000000</b>

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.