

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
AS5140H	SSOP 5.3 MM	175940038	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	
		Subtotal:			100.00		42.02000	29.85859	298586
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	
		Subtotal:			100.00		2.12000	1.50643	15064
IC	9.3	Si	Silicon	95.00	7440-21-3	8.83500	6.27798	62780	
			Polyimide	5.00	58698-66-1	0.46500	0.33042	3304	
		Subtotal:			100.00		9.30000	6.60840	66084
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
		Subtotal:			100.00		0.33000	0.23449	2345
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	
		Subtotal:			100.00		84.84000	60.28565	602857

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.

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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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