

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
AS5145H	SSOP 5.3mm	177710073	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
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
IC	9.3	Si	Silicon	100.00	7440-21-3	9.30000	6.60840	66084
		Subtotal:			100.00		9.30000	6.60840
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
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

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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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