

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
AS5043	SSOP 5.31 MM	176060008	16	143.22	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Moldcompound	83.83	SiO2	Silica Fused	86.00	60676-86-0	72.09380	50.33780	503378
			Carbon Black	0.50	1333-86-4	0.41915	0.29266	2927
			Epoxy Resin	7.50	25928-94-3	6.28725	4.38992	43899
			Phenol Resin	6.00	28064-14-4	5.02980	3.51194	35119
			Subtotal:	100.00		83.83000	58.53233	585323
Leadframe	45.52	Ag	Silver	0.30	7440-22-4	0.13656	0.09535	953
			Cu	97.25	7440-50-8	44.26820	30.90923	309092
			Fe	2.30	7439-89-6	1.04696	0.73102	7310
			Zn	0.15	7440-66-6	0.06828	0.04767	477
			Subtotal:	100.00		45.52000	31.78327	317833
IC	9.3	Si	Silicon	100.00	7440-21-3	9.30000	6.49351	64935
			Subtotal:	100.00		9.30000	6.49351	64935
Adhesive	2.12	Ag	Silver	73.00	7440-22-4	1.54760	1.08058	10806
			BLO (1-10)	3.00	96-48-0	0.06360	0.04441	444
			Epoxy Resin	21.00	25928-94-3	0.44520	0.31085	3109
			Silver Oxide	3.00	1301-96-8	0.06360	0.04441	444
			Subtotal:	100.00		2.12000	1.48024	14802
Plating	2.12	Sn	Tin	100.00	7440-31-5	2.12000	1.48024	14802
			Subtotal:	100.00		2.12000	1.48024	14802
Wire	0.33	Au	Gold	100.00	7440-57-5	0.33000	0.23041	2304
			Subtotal:	100.00		0.33000	0.23041	2304

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)
Total:	143.22					143.22	100.00000	1000000

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