

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
AS5040	SSOP 5.3 MM	172860002	16	143	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	45.5	Ag	Silver	0.30	7440-22-4	0.13650	0.09545	955
		Cu	Copper	97.25	7440-50-8	44.24875	30.94318	309432
		Fe	Iron	2.30	7439-89-6	1.04650	0.73182	7318
		Zn	Zinc	0.15	7440-66-6	0.06825	0.04773	477
		Subtotal:	100.00			45.50000	31.81818	318182
Adhesive	2.05	Ag	Silver	73.00	7440-22-4	1.49650	1.04650	10465
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.06150	0.04301	430
			Epoxy Resin	21.00	25928-94-3	0.43050	0.30105	3010
			Silver Oxide	3.00	1301-96-8	0.06150	0.04301	430
		Subtotal:	100.00			2.05000	1.43357	14336
IC	9.3	Si	Silicon	100.00	7440-21-3	9.30000	6.50350	65035
		Subtotal:	100.00			9.30000	6.50350	65035
Wire	0.33	Au	Gold	100.00	7440-57-5	0.33000	0.23077	2308
		Subtotal:	100.00			0.33000	0.23077	2308
Moldcompound	83.8	SiO2	Silica Fused	86.00	60676-86-0	72.06800	50.39720	503972
			Carbon Black	0.50	1333-86-4	0.41900	0.29301	2930
			Epoxy Resin	7.50	25928-94-3	6.28500	4.39510	43951
			Phenol Resin	6.00	28064-14-4	5.02800	3.51608	35161
		Subtotal:	100.00			83.80000	58.60140	586014
Plating	2.02	Sn	Tin	100.00	7440-31-5	2.02000	1.41259	14126
		Subtotal:	100.00			2.02000	1.41259	14126

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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Page 2

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Total:	143					143.00	100.00000	1000000

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