

Product Document

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-ASSM	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
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
IC		9.3	Si	Silicon	100.00	7440-21-3	9.30000	6.50350	65035	
			Subtotal:				100.00		9.30000	6.50350
Wire		0.33	Au	Gold	100.00	7440-57-5	0.33000	0.23077	2308	
			Subtotal:				100.00		0.33000	0.23077
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
Plating		2.02	Sn	Tin	100.00	7440-31-5	2.02000	1.41259	14126	
			Subtotal:				100.00		2.02000	1.41259

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

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)
Total:	143					143.00	100.00000	1000000

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.