

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
AS5047D-ATSM	TSSOP 4.4mm HDLF	193570012	14	61.81	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	19.06	Ag	Silver	0.30	7440-22-4	0.05718	0.09251	925
		Cu	Copper	95.90	7440-50-8	18.27854	29.57214	295721
		Mg	Magnesium	0.15	7439-95-4	0.02859	0.04625	463
		Ni	Nickel	3.00	7440-02-0	0.57180	0.92509	9251
		Si	Silicon	0.65	7440-21-3	0.12389	0.20044	2004
Subtotal:				100.00		19.06000	30.83643	308364
Adhesive	6.08	Ag	Silver	73.00	7440-22-4	4.43986	7.18308	71831
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.18246	0.29519	2952
			Epoxy Resin	21.00	25928-94-3	1.27722	2.06636	20664
			Silver Oxide	3.00	1301-96-8	0.18246	0.29519	2952
Subtotal:				100.00		6.08200	9.83983	98398
IC	14.09	Si	Silicon	95.00	7440-21-3	13.38930	21.66203	216620
			Polyimide	5.00	58698-66-1	0.70470	1.14011	11401
Subtotal:				100.00		14.09400	22.80214	228021
Wire	0.29	Au	Gold	99.00	7440-57-5	0.28710	0.46449	4645
			Pd	Palladium	1.00	7440-05-3	0.00290	0.00469
Subtotal:				100.00		0.29000	0.46918	4692

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



Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Moldcompound	20.92	SiO2	Silica Fused	85.00	60676-86-0	17.78370	28.77156	287716
			Carbon Black	0.30	1333-86-4	0.06277	0.10155	1015
			Epoxy Resin	9.00	25928-94-3	1.88298	3.04640	30464
			Phenol Resin	5.70	28064-14-4	1.19255	1.92939	19294
Subtotal:			100.00		20.92200	33.84889	338489	
Plating	1.36	Sn	Tin	100.00	7440-31-5	1.36200	2.20353	22035
			Subtotal:			100.00		1.36200
Total:	61.81					61.81	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.