

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
AS5050A-BQFT	sawn QFN 4X4X0.9 MM	192660008	16	44.36	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	17.63	Ag	Silver	0.30	7440-22-4	0.05289	0.11924	1192
		Cu	Copper	97.25	7440-50-8	17.14600	38.65452	386545
		Fe	Iron	2.30	7439-89-6	0.40551	0.91419	9142
		Zn	Zinc	0.15	7440-66-6	0.02645	0.05962	596
		Subtotal:	100.00	17.63085	39.74758	397476		
Adhesive	0.4	Ag	Silver	77.00	7440-22-4	0.31154	0.70235	7024
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00405	0.00912	91
			Epoxy Resin	22.00	25928-94-3	0.08901	0.20067	2007
		Subtotal:	100.00	0.40460	0.91214	9121		
IC	2.82	Si	Silicon	100.00	7440-21-3	2.82163	6.36118	63612
		Subtotal:	100.00	2.82163	6.36118	63612		
Wire	0.12	Au	Gold	100.00	7440-57-5	0.11586	0.26120	2612
		Subtotal:	100.00	0.11586	0.26120	2612		
Moldcompound	22.65	SiO2	Silica Fused	85.00	60676-86-0	19.24978	43.39735	433974
			Carbon Black	0.30	1333-86-4	0.06794	0.15317	1532
			Epoxy Resin	9.00	25928-94-3	2.03821	4.59501	45950
			Phenol Resin	5.70	28064-14-4	1.29087	2.91018	29102
		Subtotal:	100.00	22.64680	51.05571	510557		
Plating	0.74	Sn	Tin	100.00	7440-31-5	0.73730	1.66219	16622
		Subtotal:	100.00	0.73730	1.66219	16622		

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

Page 2

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:	44.36					44.36	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.