

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
AS3721-BCTT-00	FBGA 124ld; 8x8mm	190120013	124	126.86	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Solder Balls	12.84	Ag	Silver	1.00	7440-22-4	0.12841	0.10122	1012
		Cu	Copper	0.50	7440-50-8	0.06420	0.05061	506
		Sn	Tin	98.50	7440-31-5	12.64811	9.96978	99698
		Subtotal:		100.00		12.84073	10.12160	101216
Adhesive	0.57	SiO2	Silica Fused	50.00	60676-86-0	0.28676	0.22603	2260
			Acrylic polymer	5.00	37325-11-4	0.02868	0.02260	226
			Bismaleimide	35.00	13676-54-5	0.20073	0.15822	1582
			Epoxy Resin	10.00	25928-94-3	0.05735	0.04521	452
		Subtotal:		100.00		0.57351	0.45207	4521
Substrate	29.57	Au	Gold	0.50	7440-57-5	0.14784	0.11653	1165
		Cu	Copper	57.00	7440-50-8	16.85376	13.28485	132848
		Ni	Nickel	2.00	7440-02-0	0.59136	0.46613	4661
		SiO2	Silicon Dioxide	23.00	7631-86-9	6.80064	5.36055	53606
			Bismaleimide Triazine	3.50	35325-39-4	1.03488	0.81574	8157
			Epoxy Resin	14.00	25928-94-3	4.13952	3.26294	32629
		Subtotal:		100.00		29.56800	23.30675	233067
IC	5.77	Si	Silicon	100.00	7440-21-3	5.76768	4.54633	45463
Subtotal:		100.00		5.76768	4.54633	45463		

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)
Wire	0.89	Cu	Copper	97.30	7440-50-8	0.86483	0.68170	6817
		Pd	Palladium	2.70	7440-05-3	0.02400	0.01892	189
		Subtotal:		100.00		0.88883	0.70061	7006
Moldcompound	77.23	SiO2	Silica Fused	85.70	60676-86-0	66.18251	52.16785	521679
			Carbon Black	0.30	1333-86-4	0.23168	0.18262	1826
			Epoxy Resin	6.00	25928-94-3	4.63355	3.65236	36524
			Phenol Novolac	4.00	9003-35-4	3.08903	2.43491	24349
			Phenol Resin	4.00	28064-14-4	3.08903	2.43491	24349
Subtotal:		100.00			77.22580	60.87264	608726	
Total:	126.86					126.86	100.00000	1000000

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