

Product Document

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		

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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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