

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
AS3715-BWLM-24	WLCSP	192370060	81	15.07	Philippines	YES	YES	YES	PROTOS	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	12.16	Si	Silicon	100.00	7440-21-3	12.15520	80.66463	806646
Subtotal:				100.00		12.15520	80.66463	806646
PBO 1	0.1	BLO (1-10)	Gamma Butyrolactone	50.00	96-48-0	0.05186	0.34412	3441
			Polyamide	50.00	63428-83-1	0.05186	0.34412	3441
Subtotal:				100.00		0.10371	0.68824	6882
PBO 2	0.09	BLO (1-10)	Gamma Butyrolactone	50.00	96-48-0	0.04459	0.29591	2959
			Polyamide	50.00	63428-83-1	0.04459	0.29591	2959
Subtotal:				100.00		0.08918	0.59182	5918
UBM Seed Layer TiW	0	Ti	Titanium	10.00	7440-32-6	0.00041	0.00272	27
		W	Tungsten	90.00	7440-33-7	0.00369	0.02449	245
Subtotal:				100.00		0.00410	0.02721	272
UBM Seed Layer Cu	0.01	Cu	Copper	100.00	7440-50-8	0.00636	0.04221	422
Subtotal:				100.00		0.00636	0.04221	422
UBM Cu	0.29	Cu	Copper	100.00	7440-50-8	0.28601	1.89803	18980
Subtotal:				100.00		0.28601	1.89803	18980
RDL Seed Layer TiW	0.01	Ti	Titanium	10.00	7440-32-6	0.00118	0.00785	79
		W	Tungsten	90.00	7440-33-7	0.01065	0.07066	707
Subtotal:				100.00		0.01183	0.07851	785
RDL Seed Layer Cu	0.02	Cu	Copper	100.00	7440-50-8	0.01826	0.12118	1212
Subtotal:				100.00		0.01826	0.12118	1212

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
RDL Cu	0.37	Cu	Copper	100.00	7440-50-8	0.36513	2.42308	24231
Subtotal:				100.00		0.36513	2.42308	24231
Solder Balls	1.53	Ag	Silver	4.00	7440-22-4	0.06100	0.40481	4048
		Cu	Copper	0.50	7440-50-8	0.00763	0.05060	506
		Sn	Tin	95.50	7440-31-5	1.45638	9.66489	96649
Subtotal:				100.00		1.52501	10.12031	101203
Laminate	0.5	SiO2	Silica	20.00	7631-86-9	0.10080	0.66896	6690
			Carbon Black	0.30	1333-86-4	0.00151	0.01003	100
			Phenol/ formaldehyde/ epichloronhydrin copolymer	5.70	9003-36-5	0.02873	0.19065	1907
			Polyethylene terephthalate	74.00	25038-59-9	0.37297	2.47514	24751
Subtotal:				100.00		0.50402	3.34479	33448
Total:	15.07					15.07	100.00000	1000000

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