

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
AS1115-BQFT	TQFN	180230006	24	31.52	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	1	Si	Silicon	100.00	7440-21-3	1.00190	3.17814	31781
Subtotal:				100.00		1.00190	3.17814	31781
Wire	0.35	Au	Gold	100.00	7440-57-5	0.34758	1.10256	11026
Subtotal:				100.00		0.34758	1.10256	11026
Moldcompound	14.67	SiO2	Silica Fused	85.00	60676-86-0	12.46542	39.54171	395417
			Carbon Black	0.30	1333-86-4	0.04400	0.13956	1396
			Epoxy Resin	9.00	25928-94-3	1.31987	4.18677	41868
			Phenol Resin	5.70	28064-14-4	0.83592	2.65162	26516
Subtotal:				100.00		14.66520	46.51965	465197
Leadframe	14.49	Ag	Silver	0.30	7440-22-4	0.04347	0.13790	1379
		Cu	Copper	95.90	7440-50-8	13.89712	44.08321	440832
		Mg	Magnesium	0.15	7439-95-4	0.02174	0.06895	690
		Ni	Nickel	3.00	7440-02-0	0.43474	1.37904	13790
		Si	Silicon	0.65	7440-21-3	0.09419	0.29879	2988
Subtotal:				100.00		14.49126	45.96790	459679
Adhesive	0.14	Ag	Silver	77.00	7440-22-4	0.10996	0.34879	3488
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00143	0.00453	45
			Epoxy Resin	22.00	25928-94-3	0.03142	0.09966	997
Subtotal:				100.00		0.14280	0.45298	4530
Plating	0.88	Sn	Tin	100.00	7440-31-5	0.87600	2.77877	27788
Subtotal:				100.00		0.87600	2.77877	27788

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)
Total:	31.52					31.52	100.00000	1000000

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