

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
AS1110-BQFR	MLPQ 5X5X0.75 MM	176170003	28	60.05	Malaysia	NO	NO	NO	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	1.9	Si	Silicon	100.00	7440-21-3	1.90000	3.16403	31640
Subtotal:				100.00		1.90000	3.16403	31640
Leadframe	32.4	Cu	Copper	97.50	7440-50-8	31.59000	52.60616	526062
		Fe	Iron	2.40	7439-89-6	0.77760	1.29492	12949
		Zn	Zinc	0.10	7440-66-6	0.03240	0.05396	540
Subtotal:				100.00		32.40000	53.95504	539550
Adhesive	0.94	Ag	Silver	80.00	7440-22-4	0.75200	1.25229	12523
			Carbocyclic Acrylates	15.00	3066-71-5	0.14100	0.23480	2348
			Epoxy Resin	5.00	25928-94-3	0.04700	0.07827	783
Subtotal:				100.00		0.94000	1.56536	15654
Wire	0.63	Au	Gold	100.00	7440-57-5	0.63000	1.04913	10491
Subtotal:				100.00		0.63000	1.04913	10491
Plating	0.34	Sn	Tin	100.00	7440-31-5	0.34000	0.56619	5662
Subtotal:				100.00		0.34000	0.56619	5662
Moldcompound	23.84	SiO2	Silica	88.00	60676-86-0	20.97920	34.93622	349362
			Brominated Epoxy Resin	0.05	40039-93-8	0.01192	0.01985	199
			Carbon Black	0.30	1333-86-4	0.07152	0.11910	1191
			Epoxy Resin	8.00	25928-94-3	1.90720	3.17602	31760
			Phenol Resin	3.65	28064-14-4	0.87016	1.44906	14491
Subtotal:				100.00		23.84000	39.70025	397002

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:	60.05					60.05	100.00000	1000000

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