

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
AS5247U-HTQT	VHDLF ePTQFP 7x7mm	507940006	32	147.99	PHILIPPINES	YES	YES	YES	PROTOS	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	50.15	Ag	Silver	0.30	7440-22-4	0.15045	0.10166	1017
		Cu	Copper	95.90	7440-50-8	48.09385	32.49804	324980
		Mg	Magnesium	0.15	7439-95-4	0.07523	0.05083	508
		Ni	Nickel	3.00	7440-02-0	1.50450	1.01662	10166
		Si	Silicon	0.65	7440-21-3	0.32598	0.22027	2203
Subtotal:				100.00		50.15000	33.88742	338874
Adhesive Bottom IC	0.29	Ag	Silver	70.00	7440-22-4	0.20300	0.13717	1372
			Anhydride	10.00	108-24-7	0.02900	0.01960	196
			Epoxy Resin	20.00	25928-94-3	0.05800	0.03919	392
Subtotal:				100.00		0.29000	0.19596	1960
IC Bottom	15.19	Si	Silicon	95.00	7440-21-3	14.43050	9.75100	97510
			Polyimide	5.00	58698-66-1	0.75950	0.51321	5132
Subtotal:				100.00		15.19000	10.26421	102642
Adhesive Top IC	0.29		Bismaleimide Triazine	30.00	35325-39-4	0.08700	0.05879	588
			Polymeric resin	20.00	68139-70-8	0.05800	0.03919	392
			Poly (tetrafluoroethylene)	50.00	9002-84-0	0.14500	0.09798	980
Subtotal:				100.00		0.29000	0.19596	1960
IC Top	15.19	Si	Silicon	95.00	7440-21-3	14.43050	9.75100	97510
			Polyimide	5.00	58698-66-1	0.75950	0.51321	5132
Subtotal:				100.00		15.19000	10.26421	102642

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	1.4	Au	Gold	99.00	7440-57-5	1.38600	0.93655	9365
		Pd	Palladium	1.00	7440-05-3	0.01400	0.00946	95
		Subtotal:		100.00		1.40000	0.94601	9460
Moldcompound	61.27	SiO2	Silica Fused	83.00	60676-86-0	50.85410	34.36320	343632
			Carbon Black	0.30	1333-86-4	0.18381	0.12420	1242
			Epoxy Phenol Resin	7.70	28064-14-4	4.71779	3.18791	31879
			Epoxy Resin	9.00	25928-94-3	5.51430	3.72613	37261
		Subtotal:		100.00		61.27000	41.40145	414014
Plating	4.21	Sn	Tin	100.00	7440-31-5	4.21000	2.84479	28448
Subtotal:		100.00				4.21000	2.84479	28448
Total:	147.99					147.99	100.00000	1000000

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