

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
TDC-GP30YD	sawn QFN 32ld, 5x5x0.9mm, 0.5mm	502030003	32	69.29	MALAYSIA	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	24.29	Ag	Silver	0.30	7440-22-4	0.07287	0.10517	1052
		Cu	Copper	97.25	7440-50-8	23.62203	34.09154	340915
		Fe	Iron	2.30	7439-89-6	0.55867	0.80628	8063
		Zn	Zinc	0.15	7440-66-6	0.03644	0.05258	526
		Subtotal:			100.00		24.29000	35.05556
Adhesive	1.1	Ag	Silver	80.00	7440-22-4	0.88000	1.27002	12700
			Carbocyclic Acrylates	15.00	3066-71-5	0.16500	0.23813	2381
			Epoxy Resin	5.00	25928-94-3	0.05500	0.07938	794
Subtotal:			100.00		1.10000	1.58753	15875	
IC	3.5	Si	Silicon	100.00	7440-21-3	3.50000	5.05123	50512
Subtotal:			100.00		3.50000	5.05123	50512	
Wire	1	Au	Gold	100.00	7440-57-5	1.00000	1.44321	14432
Subtotal:			100.00		1.00000	1.44321	14432	
Moldcompound	37	SiO2	Silica Fused	83.00	60676-86-0	30.71000	44.32097	443210
			Carbon Black	0.30	1333-86-4	0.11100	0.16020	1602
			Epoxy Resin	9.00	25928-94-3	3.33000	4.80589	48059
			Phenol Resin	7.70	28064-14-4	2.84900	4.11170	41117
Subtotal:			100.00		37.00000	53.39876	533988	
Plating	2.4	Sn	Tin	100.00	7440-31-5	2.40000	3.46370	34637
Subtotal:			100.00		2.40000	3.46370	34637	

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:	69.29					69.29	100.00000	1000000

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