

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
AS5304B	XDLF TSSOP; 4.4mm	178750059	20	82.01	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
IC	8.17	Si	Silicon	100.00	7440-21-3	8.17000	9.96220	99622
Subtotal:				100.00		8.17000	9.96220	99622
Plating	1.95	Sn	Tin	100.00	7440-31-5	1.95000	2.37776	23778
Subtotal:				100.00		1.95000	2.37776	23778
Leadframe	38.14	Ag	Silver	0.30	7440-22-4	0.11442	0.13952	1395
		Cu	Copper	95.90	7440-50-8	36.57626	44.59976	445998
		Mg	Magnesium	0.15	7439-95-4	0.05721	0.06976	698
		Ni	Nickel	3.00	7440-02-0	1.14420	1.39520	13952
		Si	Silicon	0.65	7440-21-3	0.24791	0.30229	3023
Subtotal:				100.00		38.14000	46.50652	465065
Adhesive	1.64	Ag	Silver	73.00	7440-22-4	1.19720	1.45982	14598
		BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.04920	0.05999	600
			Epoxy Resin	21.00	25928-94-3	0.34440	0.41995	4199
			Silver Oxide	3.00	1301-96-8	0.04920	0.05999	600
Subtotal:				100.00		1.64000	1.99976	19998
Wire	0.42	Au	Gold	100.00	7440-57-5	0.42000	0.51213	5121
Subtotal:				100.00		0.42000	0.51213	5121

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Moldcompound	31.69	SiO2	Silica Fused	85.00	60676-86-0	26.93650	32.84538	328454
			Carbon Black	0.30	1333-86-4	0.09507	0.11592	1159
			Epoxy Resin	9.00	25928-94-3	2.85210	3.47775	34777
			Phenol Resin	5.70	28064-14-4	1.80633	2.20257	22026
Subtotal:				100.00		31.69000	38.64163	386416
Total:	82.01					82.01	100.00000	1000000

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