

# 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
AS5115-HSST	SSOP 5.3mm	180850044	16	141.52	Philippines	YES	YES	YES	FULL	1
Homogenous Material		Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)	
Leadframe		42.76	Ag	Silver	0.30	7440-22-4	0.12828	0.09064	906	
			Cu	Copper	97.25	7440-50-8	41.58410	29.38390	293839	
			Fe	Iron	2.30	7439-89-6	0.98348	0.69494	6949	
			Zn	Zinc	0.15	7440-66-6	0.06414	0.04532	453	
			Subtotal:			100.00		42.76000	30.21481	302148
Adhesive		2.25	Ag	Silver	73.00	7440-22-4	1.64250	1.16061	11606	
			BLO (1-10)	Gamma Butyrolactone	3.00	96-48-0	0.06750	0.04770	477	
				Epoxy Resin	21.00	25928-94-3	0.47250	0.33388	3339	
				Silver Oxide	3.00	1301-96-8	0.06750	0.04770	477	
			Subtotal:			100.00		2.25000	1.58988	15899
IC		10.48	Si	Silicon	100.00	7440-21-3	10.48000	7.40531	74053	
			Subtotal:			100.00		10.48000	7.40531	74053
Wire		0.33	Au	Gold	99.00	7440-57-5	0.32670	0.23085	2309	
			Pd	Palladium	1.00	7440-05-3	0.00330	0.00233	23	
			Subtotal:			100.00		0.33000	0.23318	2332
Moldcompound		83.58	SiO2	Silica Fused	86.00	60676-86-0	71.87880	50.79056	507906	
				Carbon Black	0.50	1333-86-4	0.41790	0.29529	2953	
				Epoxy Resin	7.50	25928-94-3	6.26850	4.42941	44294	
				Phenol Resin	6.00	28064-14-4	5.01480	3.54353	35435	
			Subtotal:			100.00		83.58000	59.05879	590588

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Plating	2.12	Sn	Tin	100.00	7440-31-5	2.12000	1.49802	14980
Subtotal:				100.00		2.12000	1.49802	14980
Total:	141.52					141.52	100.00000	1000000

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