

Material Declaration Form

Page 1

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
AS3421-EQFP	sawn QFN 4x4x0.9mm	188720012	24	45.48	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	19.01	Ag	Silver	0.30	7440-22-4	0.05702	0.12538	1254
		Cu	Copper	97.25	7440-50-8	18.48352	40.64459	406446
		Fe	Iron	2.30	7439-89-6	0.43714	0.96126	9613
		Zn	Zinc	0.15	7440-66-6	0.02851	0.06269	627
		Subtotal:	100.00	19.00619	41.79392	417939		
Adhesive	0.39	Ag	Silver	77.00	7440-22-4	0.30128	0.66250	6625
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00391	0.00860	86
			Epoxy Resin	22.00	25928-94-3	0.08608	0.18929	1893
Subtotal:	100.00	0.39127	0.86039	8604				
IC	2.72	Si	Silicon	100.00	7440-21-3	2.72427	5.99056	59906
		Subtotal:	100.00	2.72427	5.99056	59906		
Wire	0.18	Au	Gold	100.00	7440-57-5	0.18262	0.40158	4016
		Subtotal:	100.00	0.18262	0.40158	4016		
Moldcompound	22.41	SiO2	Silica Fused	85.00	60676-86-0	19.04888	41.88780	418878
			Carbon Black	0.30	1333-86-4	0.06723	0.14784	1478
			Epoxy Resin	9.00	25928-94-3	2.01694	4.43518	44352
			Phenol Resin	5.70	28064-14-4	1.27740	2.80895	28089
			Subtotal:	100.00	22.41045	49.27977	492798	
Plating	0.76	Sn	Tin	100.00	7440-31-5	0.76117	1.67378	16738
			Subtotal:	100.00	0.76117	1.67378	16738	

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Page 2

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Total:	45.48					45.48	100.00000	1000000

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