

# 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
AS5050A-BQFM	sawn QFN 4X4X0.9 MM	192660008	16	44.36	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	17.63	Ag	Silver	0.30	7440-22-4	0.05289	0.11924	1192
		Cu	Copper	97.25	7440-50-8	17.14600	38.65452	386545
		Fe	Iron	2.30	7439-89-6	0.40551	0.91419	9142
		Zn	Zinc	0.15	7440-66-6	0.02645	0.05962	596
		<b>Subtotal:</b>	<b>100.00</b>	<b>17.63085</b>	<b>39.74758</b>	<b>397476</b>		
Adhesive	0.4	Ag	Silver	77.00	7440-22-4	0.31154	0.70235	7024
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00405	0.00912	91
			Epoxy Resin	22.00	25928-94-3	0.08901	0.20067	2007
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.40460</b>	<b>0.91214</b>	<b>9121</b>		
IC	2.82	Si	Silicon	100.00	7440-21-3	2.82163	6.36118	63612
		<b>Subtotal:</b>	<b>100.00</b>	<b>2.82163</b>	<b>6.36118</b>	<b>63612</b>		
Wire	0.12	Au	Gold	100.00	7440-57-5	0.11586	0.26120	2612
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.11586</b>	<b>0.26120</b>	<b>2612</b>		
Moldcompound	22.65	SiO2	Silica Fused	85.00	60676-86-0	19.24978	43.39735	433974
			Carbon Black	0.30	1333-86-4	0.06794	0.15317	1532
			Epoxy Resin	9.00	25928-94-3	2.03821	4.59501	45950
			Phenol Resin	5.70	28064-14-4	1.29087	2.91018	29102
			<b>Subtotal:</b>	<b>100.00</b>	<b>22.64680</b>	<b>51.05571</b>	<b>510557</b>	
Plating	0.74	Sn	Tin	100.00	7440-31-5	0.73730	1.66219	16622
			<b>Subtotal:</b>	<b>100.00</b>	<b>0.73730</b>	<b>1.66219</b>	<b>16622</b>	

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)
<b>Total:</b>	<b>44.36</b>					<b>44.36</b>	<b>100.00000</b>	<b>1000000</b>

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