

# 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
AS3933-BQFT	QFN 4X4X0.9 MM	184330003	16	44.37	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	17.68	Ag	Silver	0.30	7440-22-4	0.05305	0.11958	1196
		Cu	Copper	97.25	7440-50-8	17.19799	38.76365	387636
		Fe	Iron	2.30	7439-89-6	0.40674	0.91678	9168
		Zn	Zinc	0.15	7440-66-6	0.02653	0.05979	598
		<b>Subtotal:</b>	<b>100.00</b>	<b>17.68431</b>	<b>39.85979</b>	<b>398598</b>		
Adhesive	0.3	Ag	Silver	77.00	7440-22-4	0.23038	0.51928	5193
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00299	0.00674	67
			Epoxy Resin	22.00	25928-94-3	0.06582	0.14836	1484
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.29920</b>	<b>0.67439</b>	<b>6744</b>		
IC	2.08	Si	Silicon	100.00	7440-21-3	2.08302	4.69505	46951
		<b>Subtotal:</b>	<b>100.00</b>	<b>2.08302</b>	<b>4.69505</b>	<b>46951</b>		
Wire	0.12	Au	Gold	100.00	7440-57-5	0.11586	0.26114	2611
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.11586</b>	<b>0.26114</b>	<b>2611</b>		
Moldcompound	23.39	SiO2	Silica Fused	85.00	60676-86-0	19.87997	44.80873	448087
			Carbon Black	0.30	1333-86-4	0.07016	0.15815	1581
			Epoxy Resin	9.00	25928-94-3	2.10494	4.74445	47445
			Phenol Resin	5.70	28064-14-4	1.33313	3.00482	30048
			<b>Subtotal:</b>	<b>100.00</b>	<b>23.38820</b>	<b>52.71615</b>	<b>527162</b>	
Plating	0.8	Sn	Tin	100.00	7440-31-5	0.79570	1.79348	17935
			<b>Subtotal:</b>	<b>100.00</b>	<b>0.79570</b>	<b>1.79348</b>	<b>17935</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>44.37</b>					<b>44.37</b>	<b>100.00000</b>	<b>1000000</b>

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