

# 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
AS3932-BQFT	QFN 4X4X0.9 MM	179990025	16	44.16	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	17.47	Ag	Silver	0.30	7440-22-4	0.05241	0.11868	1187
		Cu	Copper	97.25	7440-50-8	16.98958	38.47277	384728
		Fe	Iron	2.30	7439-89-6	0.40181	0.90990	9099
		Zn	Zinc	0.15	7440-66-6	0.02621	0.05934	593
		<b>Subtotal:</b>	<b>100.00</b>	<b>17.47000</b>	<b>39.56069</b>	<b>395607</b>		
Adhesive	0.24	Ag	Silver	77.00	7440-22-4	0.18480	0.41848	4185
		BLO (1-10)	Gamma Butyrolactone	1.00	96-48-0	0.00240	0.00543	54
			Epoxy Resin	22.00	25928-94-3	0.05280	0.11957	1196
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.24000</b>	<b>0.54348</b>	<b>5435</b>		
IC	1.67	Si	Silicon	100.00	7440-21-3	1.67000	3.78170	37817
		<b>Subtotal:</b>	<b>100.00</b>	<b>1.67000</b>	<b>3.78170</b>	<b>37817</b>		
Wire	0.17	Au	Gold	100.00	7440-57-5	0.17000	0.38496	3850
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.17000</b>	<b>0.38496</b>	<b>3850</b>		
Moldcompound	23.81	SiO2	Silica Fused	85.00	60676-86-0	20.23850	45.82994	458299
			Carbon Black	0.30	1333-86-4	0.07143	0.16175	1618
			Epoxy Resin	9.00	25928-94-3	2.14290	4.85258	48526
			Phenol Resin	5.70	28064-14-4	1.35717	3.07330	30733
		<b>Subtotal:</b>	<b>100.00</b>	<b>23.81000</b>	<b>53.91757</b>	<b>539176</b>		
Plating	0.8	Sn	Tin	100.00	7440-31-5	0.80000	1.81159	18116
		<b>Subtotal:</b>	<b>100.00</b>	<b>0.80000</b>	<b>1.81159</b>	<b>18116</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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Page 2

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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>44.16</b>					<b>44.16</b>	<b>100.00000</b>	<b>1000000</b>

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