

# 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
AS3722-BCTT-11	FBGA 124ld; 8x8mm	193600019	124	126.87	Korea	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Solder Balls	12.84	Ag	Silver	1.00	7440-22-4	0.12841	0.10122	1012
		Cu	Copper	0.50	7440-50-8	0.06421	0.05061	506
		Sn	Tin	98.50	7440-31-5	12.64839	9.96988	99699
		<b>Subtotal:</b>			<b>100.00</b>		<b>12.84100</b>	<b>10.12170</b>
Substrate	29.57	Au	Gold	0.50	7440-57-5	0.14784	0.11653	1165
		Cu	Copper	57.00	7440-50-8	16.85376	13.28469	132847
		Ni	Nickel	2.00	7440-02-0	0.59136	0.46613	4661
		SiO2	Silicon Dioxide	23.00	7631-86-9	6.80064	5.36049	53605
			Bismaleimide Triazine	3.50	35325-39-4	1.03488	0.81573	8157
			Epoxy Resin	14.00	25928-94-3	4.13952	3.26291	32629
<b>Subtotal:</b>			<b>100.00</b>		<b>29.56800</b>	<b>23.30648</b>	<b>233065</b>	
Adhesive	0.57	SiO2	Silica Fused	50.00	60676-86-0	0.28700	0.22622	2262
			Acrylic polymer	5.00	37325-11-4	0.02870	0.02262	226
			Bismaleimide	35.00	13676-54-5	0.20090	0.15836	1584
			Epoxy Resin	10.00	25928-94-3	0.05740	0.04524	452
<b>Subtotal:</b>			<b>100.00</b>		<b>0.57400</b>	<b>0.45245</b>	<b>4524</b>	
IC	5.77	Si	Silicon	100.00	7440-21-3	5.76800	4.54653	45465
			<b>Subtotal:</b>			<b>100.00</b>		<b>5.76800</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.

**Material Declaration Form**



Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Wire	0.89	Cu	Copper	97.30	7440-50-8	0.86500	0.68182	6818
		Pd	Palladium	2.70	7440-05-3	0.02400	0.01892	189
		<b>Subtotal:</b>		<b>100.00</b>		<b>0.88900</b>	<b>0.70074</b>	<b>7007</b>
Moldcompound	77.23	SiO2	Silica Fused	85.70	60676-86-0	66.18268	52.16739	521674
			Carbon Black	0.30	1333-86-4	0.23168	0.18262	1826
			Epoxy Resin	6.00	25928-94-3	4.63356	3.65233	36523
			Phenol Novolac	4.00	9003-35-4	3.08904	2.43488	24349
			Phenol Resin	4.00	28064-14-4	3.08904	2.43488	24349
<b>Subtotal:</b>		<b>100.00</b>		<b>77.22600</b>	<b>60.87210</b>	<b>608721</b>		
<b>Total:</b>	<b>126.87</b>					<b>126.87</b>	<b>100.00000</b>	<b>1000000</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.