

# 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
AS1110A-BSST	QSOP 150 MIL	176170055	24	166.82	Malaysia	YES	YES	YES	FULL	1

  

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Adhesive	0.42	Ag	Silver	80.00	7440-22-4	0.33600	0.20141	2014
			Carbocyclic Acrylates	15.00	3066-71-5	0.06300	0.03777	378
			Epoxy Resin	5.00	25928-94-3	0.02100	0.01259	126
			<b>Subtotal:</b>	<b>100.00</b>		<b>0.42000</b>	<b>0.25177</b>	<b>2518</b>
Wire	0.37	Au	Gold	100.00	7440-57-5	0.37000	0.22180	2218
			<b>Subtotal:</b>	<b>100.00</b>		<b>0.37000</b>	<b>0.22180</b>	<b>2218</b>
Leadframe	64.52	Cu	Copper	97.50	7440-50-8	62.90700	37.70951	377095
			Fe	2.40	7439-89-6	1.54848	0.92823	9282
			Zn	0.10	7440-66-6	0.06452	0.03868	387
			<b>Subtotal:</b>	<b>100.00</b>		<b>64.52000</b>	<b>38.67642</b>	<b>386764</b>
Plating	3.56	Sn	Tin	100.00	7440-31-5	3.56000	2.13404	21340
			<b>Subtotal:</b>	<b>100.00</b>		<b>3.56000</b>	<b>2.13404</b>	<b>21340</b>
IC	2.34	Si	Silicon	100.00	7440-21-3	2.34000	1.40271	14027
			<b>Subtotal:</b>	<b>100.00</b>		<b>2.34000</b>	<b>1.40271</b>	<b>14027</b>
Moldcompound	95.61	SiO2	Silica	87.00	60676-86-0	83.18070	49.86255	498625
			Carbon Black	0.20	1333-86-4	0.19122	0.11463	1146
			Epoxy Resin	8.00	25928-94-3	7.64880	4.58506	45851
			Phenol Resin	4.80	28064-14-4	4.58928	2.75104	27510
			<b>Subtotal:</b>	<b>100.00</b>		<b>95.61000</b>	<b>57.31327</b>	<b>573133</b>
<b>Total:</b>	<b>166.82</b>					<b>166.82</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.