

# 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
AS5261-HMFP	punched MLF	186210099	16	114.59	Philippines	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Leadframe	75	Ag	Silver	0.30	7440-22-4	0.22500	0.19635	1963
		Cu	Copper	95.90	7440-50-8	71.92500	62.76616	627662
		Mg	Magnesium	0.15	7439-95-4	0.11250	0.09817	982
		Ni	Nickel	3.00	7440-02-0	2.25000	1.96349	19635
		Si	Silicon	0.65	7440-21-3	0.48750	0.42542	4254
<b>Subtotal:</b>				<b>100.00</b>		<b>75.00000</b>	<b>65.44960</b>	<b>654496</b>
Adhesive Bottom IC	0.7	Ag	Silver	84.00	7440-22-4	0.59136	0.51606	5161
			Epoxy Resin	16.00	25928-94-3	0.11264	0.09830	983
<b>Subtotal:</b>				<b>100.00</b>		<b>0.70400</b>	<b>0.61435</b>	<b>6144</b>
IC Bottom	2.65	Si	Silicon	95.00	7440-21-3	2.51370	2.19361	21936
			Polyimide	5.00	58698-66-1	0.13230	0.11545	1155
<b>Subtotal:</b>				<b>100.00</b>		<b>2.64600</b>	<b>2.30906</b>	<b>23091</b>
Adhesive Spacer	0.2	SiO2	Silica Fused	34.00	60676-86-0	0.06902	0.06023	602
			Epoxy Resin	66.00	25928-94-3	0.13398	0.11692	1169
<b>Subtotal:</b>				<b>100.00</b>		<b>0.20300</b>	<b>0.17715</b>	<b>1772</b>
Spacer	1.22	Si	Silicon	100.00	7440-21-3	1.22000	1.06465	10646
<b>Subtotal:</b>				<b>100.00</b>		<b>1.22000</b>	<b>1.06465</b>	<b>10646</b>
Adhesive Top IC	0.2	SiO2	Silica Fused	34.00	60676-86-0	0.06902	0.06023	602
			Epoxy Resin	66.00	25928-94-3	0.13398	0.11692	1169
<b>Subtotal:</b>				<b>100.00</b>		<b>0.20300</b>	<b>0.17715</b>	<b>1772</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)
IC Top	2.65	Si	Silicon	95.00	7440-21-3	2.51370	2.19361	21936
			Polyimide	5.00	58698-66-1	0.13230	0.11545	1155
<b>Subtotal:</b>				<b>100.00</b>		<b>2.64600</b>	<b>2.30906</b>	<b>23091</b>
Wire	0.23	Au	Gold	99.00	7440-57-5	0.22770	0.19870	1987
			Pd	1.00	7440-05-3	0.00230	0.00201	20
<b>Subtotal:</b>				<b>100.00</b>		<b>0.23000</b>	<b>0.20071</b>	<b>2007</b>
Moldcompound	28.5	SiO2	Silica Fused	85.00	60676-86-0	24.22500	21.14022	211402
			Carbon Black	0.30	1333-86-4	0.08550	0.07461	746
			Epoxy Resin	9.00	25928-94-3	2.56500	2.23838	22384
			Phenol Resin	5.70	28064-14-4	1.62450	1.41764	14176
<b>Subtotal:</b>				<b>100.00</b>		<b>28.50000</b>	<b>24.87085</b>	<b>248708</b>
Plating	3.24	Sn	Tin	100.00	7440-31-5	3.24000	2.82742	28274
<b>Subtotal:</b>				<b>100.00</b>		<b>3.24000</b>	<b>2.82742</b>	<b>28274</b>
<b>Total:</b>	<b>114.59</b>					<b>114.59</b>	<b>100.00000</b>	<b>1000000</b>

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