

# 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
CCS811B-JOPR	LGA	304000014	10	13.59	Taiwan	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Substrate	2.42	Au	Gold	0.50	7440-57-5	0.01210	0.08904	890
		Cu	Copper	55.00	7440-50-8	1.33100	9.79397	97940
		Ni	Nickel	2.00	7440-02-0	0.04840	0.35614	3561
			Bismaleimide Triazine	3.50	35325-39-4	0.08470	0.62325	6233
			Filament Fiber Glass	25.00	65997-17-3	0.60500	4.45180	44518
			Inorganic Filler	14.00	21645-51-2	0.33880	2.49301	24930
		<b>Subtotal:</b>				<b>100.00</b>		<b>2.42000</b>
Solder Mask	0.61	SiO2	Silica	1.00	7631-86-9	0.00610	0.04489	449
			Barium Sulfate	75.00	7727-43-7	0.45750	3.36645	33664
			Carbon Black	1.00	1333-86-4	0.00610	0.04489	449
			Dipropylene glycol monomethyl ether	18.00	34590-94-8	0.10980	0.80795	8079
			Talc	5.00	14807-96-6	0.03050	0.22443	2244
<b>Subtotal:</b>				<b>100.00</b>		<b>0.61000</b>	<b>4.48859</b>	<b>44886</b>
Wire	0.17	Au	Gold	99.00	7440-57-5	0.16830	1.23841	12384
		Pd	Palladium	1.00	7440-05-3	0.00170	0.01251	125
<b>Subtotal:</b>				<b>100.00</b>		<b>0.17000</b>	<b>1.25092</b>	<b>12509</b>
LID Epoxy	0.04		Carbon Black	3.00	1333-86-4	0.00120	0.00883	88
			Epoxy Resin	92.00	25085-99-8	0.03680	0.27079	2708
			Silica Dioxide	5.00	67762-90-7	0.00200	0.01472	147
<b>Subtotal:</b>				<b>100.00</b>		<b>0.04000</b>	<b>0.29433</b>	<b>2943</b>

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Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
LCP LID	7.87		Carbon Black	5.00	1333-86-4	0.39350	2.89551	28955
			Glass oxide	60.00	65997-17-3	4.72200	34.74614	347461
			Liquid crystal polymers	35.00	147310-94-9	2.75450	20.26858	202686
		<b>Subtotal:</b>		<b>100.00</b>		<b>7.87000</b>	<b>57.91023</b>	<b>579102</b>
Adhesive (ASIC)	0.14	Ag	Silver	170.00	7440-22-4	0.11900	0.87564	8756
			Epoxy Resin	30.00	25928-94-3	0.02100	0.15453	1545
		<b>Subtotal:</b>		<b>200.00</b>		<b>0.14000</b>	<b>1.03017</b>	<b>10302</b>
IC	2.34	Si	Silicon	200.00	7440-21-3	2.34000	17.21854	172185
			<b>Subtotal:</b>		<b>200.00</b>		<b>2.34000</b>	<b>17.21854</b>
<b>Total:</b>	<b>13.59</b>					<b>13.59</b>	<b>100.00000</b>	<b>1000000</b>

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