



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC1797-512F180EF AC		<b>Issued</b>		26. October 2015	
<b>MA#</b>				MA001426600					
<b>Package</b>				PG-BGA-416-27		<b>Weight*</b>		3179.08 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	54.869	1.73	1.73	17259	17259	
wire	non noble metal	copper	7440-50-8	4.217	0.13	0.13	1327	1327	
encapsulation	organic material	carbon black	1333-86-4	2.379	0.07		748		
	plastics	epoxy resin	-	146.328	4.60		46029		
substrate	inorganic material	silicondioxide	60676-86-0	1040.952	32.73	37.40	327438	374215	
	plastics	epoxy resin	-	22.546	0.71		7092		
	inorganic material	bariumsulfate	7727-43-7	34.597	1.09		10883		
	plastics	acrylic resin	-	40.039	1.26		12595		
	plastics	bismaleimide triazine resin	-	122.239	3.85		38451		
	inorganic material	aluminiumhydroxide	21645-51-2	134.463	4.23		42296		
	inorganic material	glass fibre	-	232.255	7.31		73057		
	non noble metal	copper	7440-50-8	961.301	30.24	48.69	302384	486758	
plating	noble metal	gold	7440-57-5	2.541	0.08		799		
	non noble metal	nickel	7440-02-0	6.955	0.22	0.30	2188	2987	
solderball	non noble metal	copper	7440-50-8	1.829	0.06		575		
	noble metal	silver	7440-22-4	14.634	0.46		4603		
	non noble metal	tin	7440-31-5	349.395	10.99	11.51	109905	115083	
glue	plastics	epoxy resin	-	1.884	0.06		593		
	noble metal	silver	7440-22-4	5.652	0.18	0.24	1778	2371	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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