



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC1793F-512F270EF AB		<b>Issued</b>		24. January 2018	
<b>MA#</b>				MA001706342					
<b>Package</b>				PG-BGA-416-24		<b>Weight*</b>		3288.84 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	31.142	0.95	0.95	9469	9469	
wire	non noble metal	copper	7440-50-8	0.032	0.00	0.00	10	10	
encapsulation	organic material	carbon black	1333-86-4	2.724	0.08		828		
	plastics	epoxy resin	-	167.521	5.09		50936		
	inorganic material	silicondioxide	60676-86-0	1191.713	36.24	41.41	362351	414115	
substrate	inorganic material	bariumsulfate	7727-43-7	24.836	0.76		7552		
	inorganic material	Metal Hydroxide	-	26.477	0.80		8050		
	plastics	acrylic resin	-	28.742	0.87		8739		
	inorganic material	silicondioxide	60676-86-0	83.843	2.55		25493		
	plastics	epoxy resin	-	161.807	4.92		49199		
	inorganic material	glass fibre	-	185.337	5.64		56353		
plating	non noble metal	copper	7440-50-8	1049.462	31.91	47.45	319099	474485	
	noble metal	gold	7440-57-5	7.248	0.22		2204		
	non noble metal	nickel	7440-02-0	7.248	0.22	0.44	2204	4408	
solderball	non noble metal	copper	7440-50-8	1.578	0.05		480		
	noble metal	silver	7440-22-4	12.627	0.38		3839		
	non noble metal	tin	7440-31-5	301.471	9.17	9.60	91665	95984	
glue	plastics	epoxy resin	-	1.257	0.04		382		
	noble metal	silver	7440-22-4	3.772	0.11	0.15	1147	1529	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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