



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC1767-256F133HR AD		<b>Issued</b>		29. August 2013	
<b>MA#</b>				MA001121220					
<b>Package</b>				PG-LQFP-176-9		<b>Weight*</b>		1992.98 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	38.556	1.93	1.93	19346	19346	
leadframe	inorganic material	phosphorus	7723-14-0	0.148	0.01		74		
	non noble metal	zinc	7440-66-6	0.592	0.03		297		
	non noble metal	iron	7439-89-6	11.849	0.59		5945		
wire	non noble metal	copper	7440-50-8	481.113	24.14	24.77	241404	247720	
	non noble metal	copper	7440-50-8	3.635	0.18	0.18	1824	1824	
	encapsulation	organic material	carbon black	1333-86-4	7.225	0.36		3625	
leadfinish	plastics	epoxy resin	-	195.082	9.79		97885		
	inorganic material	silicondioxide	60676-86-0	1242.742	62.37	72.52	623561	725071	
	noble metal	silver	7440-22-4	0.019	0.00		10		
plating	noble metal	gold	7440-57-5	0.036	0.00		18		
	non noble metal	nickel	7440-02-0	0.650	0.03		326		
	noble metal	palladium	7440-05-3	0.022	0.00	0.03	11	365	
	noble metal	gold	7440-57-5	0.254	0.01		127		
	noble metal	silver	7440-22-4	0.138	0.01		69		
glue	noble metal	palladium	7440-05-3	0.158	0.01		79		
	non noble metal	nickel	7440-02-0	4.635	0.23	0.26	2326	2601	
	plastics	epoxy resin	-	1.532	0.08		768		
*deviation	< 10%			4.595	0.23	0.31	2305	3073	
						Sum in total:	100,00	1000000	

### Important Remarks:

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