



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC1724N-192F80HR AC		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001580616					
<b>Package</b>				PG-LQFP-144-23		<b>Weight*</b>		1426.01 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	57.220	4.01	4.01	40126	40126	
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		77		
	non noble metal	zinc	7440-66-6	0.442	0.03		310		
	non noble metal	iron	7439-89-6	8.832	0.62		6193		
wire	non noble metal	copper	7440-50-8	358.600	25.15	25.81	251471	258051	
	noble metal	palladium	7440-05-3	0.027	0.00		19		
	non noble metal	copper	7440-50-8	2.658	0.19	0.19	1864	1883	
encapsulation	organic material	carbon black	1333-86-4	4.889	0.34		3429		
	plastics	epoxy resin	-	132.015	9.26		92576		
	inorganic material	silicondioxide	60676-86-0	840.983	58.96	68.56	589747	685752	
leadfinish	noble metal	palladium	7440-05-3	0.002	0.00		2		
	noble metal	silver	7440-22-4	0.002	0.00		1		
	noble metal	gold	7440-57-5	0.004	0.00		3		
	non noble metal	nickel	7440-02-0	3.940	0.28	0.28	2763	2769	
plating	noble metal	gold	7440-57-5	0.178	0.01		125		
	noble metal	silver	7440-22-4	0.097	0.01		68		
	noble metal	palladium	7440-05-3	0.111	0.01		78		
	non noble metal	nickel	7440-02-0	3.244	0.23	0.26	2275	2546	
glue	plastics	epoxy resin	-	3.163	0.22		2218		
	noble metal	silver	7440-22-4	9.490	0.67	0.89	6655	8873	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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