



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-XC2238N-40F80LR AB		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001116074					
<b>Package</b>				PG-LQFP-64-24		<b>Weight*</b>		377.82 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	28.688	7.59	7.59	75930	75930	
leadframe	inorganic material	phosphorus	7723-14-0	0.033	0.01		89		
	non noble metal	zinc	7440-66-6	0.134	0.04		354		
	non noble metal	iron	7439-89-6	2.675	0.71		7080		
wire	non noble metal	copper	7440-50-8	108.612	28.75	29.51	287470	294993	
	noble metal	palladium	7440-05-3	0.013	0.00		36		
	non noble metal	copper	7440-50-8	1.329	0.35	0.35	3517	3553	
encapsulation	organic material	carbon black	1333-86-4	1.097	0.29		2902		
	plastics	epoxy resin	-	29.607	7.84		78362		
	inorganic material	silicondioxide	60676-86-0	188.606	49.93	58.06	499197	580461	
leadfinish	noble metal	palladium	7440-05-3	0.055	0.01		145		
	noble metal	silver	7440-22-4	0.048	0.01		127		
	noble metal	gold	7440-57-5	0.088	0.02		234		
	non noble metal	nickel	7440-02-0	1.892	0.50	0.54	5008	5514	
plating	noble metal	silver	7440-22-4	0.145	0.04		384		
	noble metal	gold	7440-57-5	0.267	0.07		706		
	noble metal	palladium	7440-05-3	0.166	0.04		439		
	non noble metal	nickel	7440-02-0	5.722	1.51	1.66	15144	16673	
glue	plastics	epoxy resin	-	2.161	0.57		5719		
	noble metal	silver	7440-22-4	6.482	1.72	2.29	17157	22876	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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