



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC265D-40F200N BC		<b>Issued</b>		19. January 2018	
<b>MA#</b>				MA001672872					
<b>Package</b>				PG-LQFP-176-22		<b>Weight*</b>		1981.74 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	44.943	2.27	2.27	22679	22679	
leadframe	inorganic material	phosphorus	7723-14-0	0.136	0.01		69		
	non noble metal	zinc	7440-66-6	0.543	0.03		274		
	non noble metal	iron	7439-89-6	10.869	0.55		5484		
wire	non noble metal	copper	7440-50-8	441.312	22.27	22.86	222689	228516	
	noble metal	gold	7440-57-5	0.003	0.00		2		
	noble metal	palladium	7440-05-3	0.070	0.00		35		
encapsulation	non noble metal	copper	7440-50-8	3.087	0.16	0.16	1558	1595	
	organic material	carbon black	1333-86-4	4.303	0.22		2171		
	plastics	epoxy resin	-	182.151	9.19		91915		
leadfinish	inorganic material	silicondioxide	60676-86-0	1247.803	62.95	72.36	629652	723738	
	noble metal	palladium	7440-05-3	0.004	0.00		2		
	noble metal	silver	7440-22-4	0.004	0.00		2		
plating	noble metal	gold	7440-57-5	0.007	0.00		4		
	non noble metal	nickel	7440-02-0	7.048	0.36	0.36	3556	3564	
	noble metal	silver	7440-22-4	0.016	0.00		8		
glue	noble metal	palladium	7440-05-3	0.019	0.00		9		
	noble metal	gold	7440-57-5	0.030	0.00		15		
	non noble metal	nickel	7440-02-0	30.469	1.54	1.54	15375	15407	
*deviation	plastics	epoxy resin	-	1.963	0.10		990		
	noble metal	silver	7440-22-4	6.959	0.35	0.45	3511	4501	
						Sum in total:	100.00	1000000	

### Important Remarks:

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