



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC264DA-40F200N BC		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001673786					
<b>Package</b>				PG-LQFP-144-22		<b>Weight*</b>		1393.44 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	61.551	4.42	4.42	44172	44172	
leadframe	inorganic material	phosphorus	7723-14-0	0.094	0.01		68		
	non noble metal	zinc	7440-66-6	0.377	0.03		271		
	non noble metal	iron	7439-89-6	7.550	0.54		5418		
wire	non noble metal	copper	7440-50-8	306.542	22.00	22.58	219989	225746	
	noble metal	gold	7440-57-5	0.003	0.00		2		
	noble metal	palladium	7440-05-3	0.056	0.00		40		
encapsulation	non noble metal	copper	7440-50-8	2.465	0.18	0.18	1769	1811	
	organic material	carbon black	1333-86-4	2.936	0.21		2107		
	plastics	epoxy resin	-	124.300	8.92		89204		
leadfinish	inorganic material	silicondioxide	60676-86-0	851.502	61.11	70.24	611079	702390	
	noble metal	silver	7440-22-4	0.003	0.00		2		
	noble metal	palladium	7440-05-3	0.004	0.00		3		
plating	noble metal	gold	7440-57-5	0.006	0.00		4		
	non noble metal	nickel	7440-02-0	6.242	0.45	0.45	4480	4489	
	noble metal	silver	7440-22-4	0.010	0.00		7		
glue	noble metal	palladium	7440-05-3	0.012	0.00		8		
	noble metal	gold	7440-57-5	0.019	0.00		14		
	non noble metal	nickel	7440-02-0	18.963	1.36	1.36	13609	13638	
*deviation	plastics	epoxy resin	-	2.377	0.17		1706		
	noble metal	silver	7440-22-4	8.427	0.60	0.77	6048	7754	
						Sum in total:	100.00	1000000	

### Important Remarks:

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