



Material Content Data Sheet



Sales Product Name				SAK-TC264DA-40F200N BC		Issued		9. January 2019	
MA#				MA004286454					
Package				PG-LQFP-144-22		Weight*		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		
wires	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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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