



Material Content Data Sheet



Sales Product Name				SAK-TC1728N-192F133HR AC		Issued		20. July 2018	
MA#				MA001723464					
Package				PG-LQFP-176-22		Weight*		1982.49 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	47.684	2.41	2.41	24052	24052	
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		5482		
wire	non noble metal	copper	7440-50-8	441.312	22.26	22.85	222605	228430	
	noble metal	gold	7440-57-5	0.003	0.00		2		
	noble metal	palladium	7440-05-3	0.075	0.00		38		
encapsulation	non noble metal	copper	7440-50-8	3.343	0.17	0.17	1686	1726	
	organic material	carbon black	1333-86-4	4.295	0.22		2167		
	plastics	epoxy resin	-	181.825	9.17		91715		
leadfinish	inorganic material	silicondioxide	60676-86-0	1245.571	62.82	72.21	628287	722169	
	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	3555	3563	
	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	15369	15401	
*deviation	plastics	epoxy resin	-	2.032	0.10		1025		
	noble metal	silver	7440-22-4	7.205	0.36	0.46	3634	4659	
						Sum in total:	100.00	1000000	

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com