



Material Content Data Sheet



Sales Product Name	SAK-TC1728N-192F133HR AC			Issued		4. July 2019		
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	
	non noble metal	copper	7440-50-8	441.312	22.26	22.85	222605	228430
wires	noble metal	gold	7440-57-5	0.003	0.00		2	
	noble metal	palladium	7440-05-3	0.075	0.00		38	
	non noble metal	copper	7440-50-8	3.343	0.17	0.17	1686	1726
encapsulation	organic material	carbon black	1333-86-4	4.295	0.22		2167	
	plastics	epoxy resin	-	181.825	9.17		91715	
	inorganic material	silicondioxide	60676-86-0	1245.571	62.82	72.21	628287	722169
leadfinish	noble metal	palladium	7440-05-3	0.004	0.00		2	
	noble metal	silver	7440-22-4	0.004	0.00		2	
	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
plating	noble metal	silver	7440-22-4	0.016	0.00		8	
	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
glue	plastics	epoxy resin	-	2.032	0.10		1025	
	noble metal	silver	7440-22-4	7.205	0.36	0.46	3634	4659
*deviation	< 10%	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