



Material Content Data Sheet



Sales Product Name		SAK-TC1728N-192F133HR AC		Issued		20. July 2018		
MA#		MA001137214						
Package		PG-LQFP-176-20		Weight*		2048.34 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	57.220	2.79	2.79	27935	27935
leadframe	inorganic material	phosphorus	7723-14-0	0.155	0.01		76	
	non noble metal	zinc	7440-66-6	0.620	0.03		303	
wire	non noble metal	iron	7439-89-6	12.403	0.61		6055	
	non noble metal	copper	7440-50-8	503.632	24.59	25.24	245873	252307
	noble metal	palladium	7440-05-3	0.034	0.00		16	
encapsulation	non noble metal	copper	7440-50-8	3.340	0.16	0.16	1630	1646
	organic material	carbon black	1333-86-4	7.063	0.34		3448	
	plastics	epoxy resin	-	190.708	9.31		93104	
leadfinish	inorganic material	silicondioxide	60676-86-0	1214.881	59.32	68.97	593105	689657
	noble metal	palladium	7440-05-3	0.142	0.01		69	
	noble metal	silver	7440-22-4	0.124	0.01		61	
	noble metal	gold	7440-57-5	0.228	0.01		111	
plating	non noble metal	nickel	7440-02-0	4.888	0.24	0.27	2386	2627
	noble metal	silver	7440-22-4	0.928	0.05		453	
	noble metal	gold	7440-57-5	1.705	0.08		832	
	noble metal	palladium	7440-05-3	1.061	0.05		518	
glue	non noble metal	nickel	7440-02-0	36.558	1.78	1.96	17848	19651
	plastics	epoxy resin	-	3.163	0.15		1544	
*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.
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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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