



Material Content Data Sheet



Sales Product Name		SAK-TC1724N-192F80HR AC		Issued		23. January 2018		
MA#		MA001225630						
Package		PG-LQFP-144-23		Weight*		1422.68 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	4.02	4.02	40220	40220
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		78	
	non noble metal	zinc	7440-66-6	0.442	0.03		310	
wire	non noble metal	iron	7439-89-6	8.832	0.62		6208	
	non noble metal	copper	7440-50-8	358.600	25.21	25.87	252059	258655
	noble metal	palladium	7440-05-3	0.027	0.00		19	
encapsulation	non noble metal	copper	7440-50-8	2.654	0.19	0.19	1865	1884
	organic material	carbon black	1333-86-4	4.889	0.34		3437	
	plastics	epoxy resin	-	132.015	9.28		92793	
leadfinish	inorganic material	silicondioxide	60676-86-0	840.984	59.11	68.73	591127	687357
	noble metal	gold	7440-57-5	0.031	0.00		21	
	noble metal	silver	7440-22-4	0.017	0.00		12	
	noble metal	palladium	7440-05-3	0.019	0.00		13	
plating	non noble metal	nickel	7440-02-0	0.557	0.04	0.04	392	438
	noble metal	gold	7440-57-5	0.178	0.01		125	
	noble metal	silver	7440-22-4	0.097	0.01		68	
	noble metal	palladium	7440-05-3	0.111	0.01		78	
glue	non noble metal	nickel	7440-02-0	3.244	0.23	0.26	2280	2551
	plastics	epoxy resin	-	3.163	0.22		2224	
*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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