



Material Content Data Sheet



Sales Product Name		SAK-XC2238N-40F80LR AB		Issued		24. January 2018		
MA#		MA001731922						
Package		PG-LQFP-64-24		Weight*		376.77 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	28.688	7.61	7.61	76142	76142
leadframe	inorganic material	phosphorus	7723-14-0	0.033	0.01		89	
	non noble metal	zinc	7440-66-6	0.134	0.04		355	
	non noble metal	iron	7439-89-6	2.675	0.71		7100	
wire	non noble metal	copper	7440-50-8	108.612	28.83	29.59	288272	295816
	noble metal	palladium	7440-05-3	0.013	0.00		36	
	non noble metal	copper	7440-50-8	1.329	0.35	0.35	3527	3563
encapsulation	organic material	carbon black	1333-86-4	1.097	0.29		2913	
	plastics	epoxy resin	-	29.628	7.86		78638	
	inorganic material	silicondioxide	60676-86-0	188.743	50.11	58.26	500950	582501
leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		3	
	noble metal	silver	7440-22-4	0.001	0.00		3	
	noble metal	gold	7440-57-5	0.002	0.00		5	
	non noble metal	nickel	7440-02-0	1.779	0.47	0.47	4721	4732
plating	noble metal	silver	7440-22-4	0.003	0.00		8	
	noble metal	palladium	7440-05-3	0.003	0.00		9	
	noble metal	gold	7440-57-5	0.005	0.00		14	
	non noble metal	nickel	7440-02-0	5.378	1.43	1.43	14275	14306
glue	plastics	epoxy resin	-	2.161	0.57		5735	
	noble metal	silver	7440-22-4	6.482	1.72	2.29	17205	22940
*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