



Material Content Data Sheet



Sales Product Name		SAK-XC2238N-40F80LR AB		Issued		19. January 2018		
MA#		MA001116074						
Package		PG-LQFP-64-24		Weight*		377.82 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	7.59	7.59	75930	75930
leadframe	inorganic material	phosphorus	7723-14-0	0.033	0.01		89	
	non noble metal	zinc	7440-66-6	0.134	0.04		354	
	non noble metal	iron	7439-89-6	2.675	0.71		7080	
wire	non noble metal	copper	7440-50-8	108.612	28.75	29.51	287470	294993
	noble metal	palladium	7440-05-3	0.013	0.00		36	
	non noble metal	copper	7440-50-8	1.329	0.35	0.35	3517	3553
encapsulation	organic material	carbon black	1333-86-4	1.097	0.29		2902	
	plastics	epoxy resin	-	29.607	7.84		78362	
	inorganic material	silicondioxide	60676-86-0	188.606	49.93	58.06	499197	580461
leadfinish	noble metal	palladium	7440-05-3	0.055	0.01		145	
	noble metal	silver	7440-22-4	0.048	0.01		127	
	noble metal	gold	7440-57-5	0.088	0.02		234	
	non noble metal	nickel	7440-02-0	1.892	0.50	0.54	5008	5514
plating	noble metal	silver	7440-22-4	0.145	0.04		384	
	noble metal	gold	7440-57-5	0.267	0.07		706	
	noble metal	palladium	7440-05-3	0.166	0.04		439	
	non noble metal	nickel	7440-02-0	5.722	1.51	1.66	15144	16673
glue	plastics	epoxy resin	-	2.161	0.57		5719	
	noble metal	silver	7440-22-4	6.482	1.72	2.29	17157	22876
*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