



Material Content Data Sheet



Sales Product Name				SAK-XC2788X-136F128LR AA		Issued		19. January 2018	
MA#				MA001262128					
Package				PG-LQFP-144-23		Weight*		1445.02 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	56.102	3.88	3.88	38824	38824	
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		76		
	non noble metal	zinc	7440-66-6	0.442	0.03		306		
	non noble metal	iron	7439-89-6	8.832	0.61		6112		
wire	non noble metal	copper	7440-50-8	358.600	24.82	25.47	248163	254657	
	noble metal	palladium	7440-05-3	0.032	0.00		22		
	non noble metal	copper	7440-50-8	3.192	0.22	0.22	2209	2231	
encapsulation	organic material	carbon black	1333-86-4	4.869	0.34		3369		
	plastics	epoxy resin	-	131.452	9.10		90969		
	inorganic material	silicondioxide	60676-86-0	837.399	57.94	67.38	579509	673847	
leadfinish	noble metal	palladium	7440-05-3	0.122	0.01		84		
	noble metal	silver	7440-22-4	0.106	0.01		74		
	noble metal	gold	7440-57-5	0.195	0.01		135		
	non noble metal	nickel	7440-02-0	4.191	0.29	0.32	2900	3193	
plating	noble metal	silver	7440-22-4	0.619	0.04		429		
	noble metal	gold	7440-57-5	1.138	0.08		787		
	noble metal	palladium	7440-05-3	0.708	0.05		490		
	non noble metal	nickel	7440-02-0	24.395	1.69	1.86	16882	18588	
glue	plastics	epoxy resin	-	3.128	0.22		2165		
	noble metal	silver	7440-22-4	9.385	0.65	0.87	6495	8660	
*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