



Material Content Data Sheet



Sales Product Name		SAK-XE167FM-72F80LR AB		Issued		22. January 2018		
MA#		MA001205596						
Package		PG-LQFP-144-23		Weight*		1441.10 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	38.601	2.68	2.68	26786	26786
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		77	
	non noble metal	zinc	7440-66-6	0.442	0.03		306	
	non noble metal	iron	7439-89-6	8.832	0.61		6128	
wire	non noble metal	copper	7440-50-8	358.600	24.88	25.53	248837	255348
	noble metal	palladium	7440-05-3	0.028	0.00		20	
	non noble metal	copper	7440-50-8	2.803	0.19	0.19	1945	1965
encapsulation	organic material	carbon black	1333-86-4	4.950	0.34		3435	
	plastics	epoxy resin	-	133.658	9.27		92747	
	inorganic material	silicondioxide	60676-86-0	851.450	59.10	68.71	590831	687013
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		136	
	non noble metal	nickel	7440-02-0	4.191	0.29	0.32	2908	3202
plating	noble metal	silver	7440-22-4	0.619	0.04		430	
	noble metal	gold	7440-57-5	1.138	0.08		790	
	noble metal	palladium	7440-05-3	0.708	0.05		491	
	non noble metal	nickel	7440-02-0	24.395	1.69	1.86	16928	18639
glue	plastics	epoxy resin	-	2.539	0.18		1762	
	noble metal	silver	7440-22-4	7.616	0.53	0.71	5285	7047
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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