



Material Content Data Sheet



Sales Product Name				SAK-XE164FN-40F80LR AB		Issued		22. January 2018	
MA#				MA001607824					
Package				PG-LQFP-100-15		Weight*		744.17 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	3.86	3.86	38550	38550	
leadframe	inorganic material	phosphorus	7723-14-0	0.067	0.01		90		
	non noble metal	zinc	7440-66-6	0.269	0.04		361		
	non noble metal	iron	7439-89-6	5.372	0.72		7219		
wire	non noble metal	copper	7440-50-8	218.131	29.31	30.08	293122	300792	
	noble metal	palladium	7440-05-3	0.019	0.00		25		
	non noble metal	copper	7440-50-8	1.849	0.25	0.25	2484	2509	
encapsulation	organic material	carbon black	1333-86-4	2.337	0.31		3140		
	plastics	epoxy resin	-	63.097	8.48		84789		
	inorganic material	silicondioxide	60676-86-0	401.951	54.01	62.80	540134	628063	
leadfinish	noble metal	palladium	7440-05-3	0.002	0.00		2		
	noble metal	silver	7440-22-4	0.001	0.00		2		
	noble metal	gold	7440-57-5	0.003	0.00		4		
	non noble metal	nickel	7440-02-0	2.734	0.37	0.37	3674	3682	
plating	noble metal	silver	7440-22-4	0.006	0.00		8		
	noble metal	gold	7440-57-5	0.011	0.00		15		
	noble metal	palladium	7440-05-3	0.007	0.00		9		
	non noble metal	nickel	7440-02-0	10.982	1.48	1.48	14757	14789	
glue	plastics	epoxy resin	-	2.161	0.29		2904		
	noble metal	silver	7440-22-4	6.482	0.87	1.16	8711	11615	
*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

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