



Material Content Data Sheet



Sales Product Name		SAK-XC2238N-40F80LR AB		Issued		25. January 2018		
MA#		MA001660804						
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	gold	7440-57-5	0.005	0.00		14	
	noble metal	palladium	7440-05-3	0.003	0.00		9	
	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:

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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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