



Material Content Data Sheet



Sales Product Name		SAK-XE167FM-72F80LR AB		Issued		24. January 2018		
MA#		MA001730388						
Package		PG-LQFP-144-23		Weight*		1437.23 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	2.69	2.69	26858	26858
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		77	
	non noble metal	zinc	7440-66-6	0.442	0.03		307	
wire	non noble metal	iron	7439-89-6	8.832	0.61		6145	
	non noble metal	copper	7440-50-8	358.600	24.95	25.60	249507	256036
	noble metal	palladium	7440-05-3	0.028	0.00		20	
encapsulation	non noble metal	copper	7440-50-8	2.803	0.20	0.20	1950	1970
	organic material	carbon black	1333-86-4	4.954	0.34		3447	
	plastics	epoxy resin	-	133.749	9.31		93060	
leadfinish	inorganic material	silicondioxide	60676-86-0	852.032	59.28	68.93	592827	689334
	noble metal	silver	7440-22-4	0.002	0.00		1	
	noble metal	palladium	7440-05-3	0.002	0.00		2	
	noble metal	gold	7440-57-5	0.004	0.00		3	
plating	non noble metal	nickel	7440-02-0	3.940	0.27	0.27	2741	2747
	noble metal	silver	7440-22-4	0.012	0.00		9	
	noble metal	palladium	7440-05-3	0.014	0.00		10	
	noble metal	gold	7440-57-5	0.023	0.00		16	
glue	non noble metal	nickel	7440-02-0	22.931	1.60	1.60	15955	15990
	plastics	epoxy resin	-	2.539	0.18		1766	
	noble metal	silver	7440-22-4	7.616	0.53	0.71	5299	7065
*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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