

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XC2287M-104F80LR AB	**Issued**	07. April 2021
MA#	MA004396790		
Package	PG-LQFP-144-23	**Weight***	1437.26 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	26857	26857
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		77	
	non noble metal	zinc	7440-66-6	0.442	0.03		307	
	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	249502	256031
wires	noble metal	palladium	7440-05-3	0.029			20	
	non noble metal	copper	7440-50-8	2.838	0.20	0.20	1974	1994
encapsulation	organic material	carbon black	1333-86-4	4.954	0.34		3447	
	plastics	epoxy resin	-	133.748	9.31		93058	
	inorganic material	silicondioxide	60676-86-0	852.025	59.28	68.93	592811	689316
leadfinish	noble metal	silver	7440-22-4	0.002			1	
	noble metal	palladium	7440-05-3	0.002			2	
	noble metal	gold	7440-57-5	0.004			3	
	non noble metal	nickel	7440-02-0	3.940	0.27	0.27	2741	2747
plating	noble metal	silver	7440-22-4	0.012			9	
	noble metal	palladium	7440-05-3	0.014			10	
	noble metal	gold	7440-57-5	0.023			16	
	non noble metal	nickel	7440-02-0	22.931	1.60	1.60	15955	15990
glue	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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