

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XE162FN-40F80LR AB	**Issued**	06. April 2021
MA#	MA002410314		
Package	PG-LQFP-64-24	**Weight***	376.79 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	76137	76137
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		7099	
	non noble metal	copper	7440-50-8	108.612	28.83	29.59	288252	295795
wires	noble metal	palladium	7440-05-3	0.014			37	
	non noble metal	copper	7440-50-8	1.362	0.36	0.36	3614	3651
encapsulation	organic material	carbon black	1333-86-4	1.097	0.29		2912	
	plastics	epoxy resin	-	29.627	7.86		78630	
	inorganic material	silicondioxide	60676-86-0	188.736	50.10	58.25	500899	582441
leadfinish	noble metal	palladium	7440-05-3	0.001			3	
	noble metal	silver	7440-22-4	0.001			3	
	noble metal	gold	7440-57-5	0.002			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			8	
	noble metal	palladium	7440-05-3	0.003			9	
	noble metal	gold	7440-57-5	0.005			14	
	non noble metal	nickel	7440-02-0	5.378	1.43	1.43	14274	14305
glue	plastics	epoxy resin	-	2.161	0.57		5735	
	noble metal	silver	7440-22-4	6.482	1.72	2.29	17204	22939
*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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