

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XE164FM-72F80LR AB	**Issued**	15. May 2021
MA#	MA004374822		
Package	PG-LQFP-100-15	**Weight***	746.42 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	5.17	5.17	51715	51715
leadframe	inorganic material	phosphorus	7723-14-0	0.067	0.01		90	
	non noble metal	zinc	7440-66-6	0.269	0.04		360	
	non noble metal	iron	7439-89-6	5.372	0.72		7197	
	non noble metal	copper	7440-50-8	218.131	29.22	29.99	292236	299883
wires	noble metal	palladium	7440-05-3	0.020			27	
	non noble metal	copper	7440-50-8	2.019	0.27	0.27	2704	2731
encapsulation	organic material	carbon black	1333-86-4	2.290	0.31		3068	
	plastics	epoxy resin	-	61.836	8.28		82843	
	inorganic material	silicondioxide	60676-86-0	393.918	52.78	61.37	527740	613651
leadfinish	noble metal	palladium	7440-05-3	0.002			2	
	noble metal	silver	7440-22-4	0.001			2	
	noble metal	gold	7440-57-5	0.003			4	
	non noble metal	nickel	7440-02-0	2.734	0.37	0.37	3663	3671
plating	noble metal	silver	7440-22-4	0.006			8	
	noble metal	palladium	7440-05-3	0.007			9	
	noble metal	gold	7440-57-5	0.011			15	
	non noble metal	nickel	7440-02-0	10.982	1.47	1.47	14713	14745
glue	plastics	epoxy resin	-	2.539	0.34		3401	
	noble metal	silver	7440-22-4	7.616	1.02	1.36	10203	13604
*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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