

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XC2768X-136F128LR AA	**Issued**	15. May 2021
MA#	MA004430238		
Package	PG-LQFP-100-15	**Weight***	752.91 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	56.102	7.45	7.45	74514	74514
leadframe	inorganic material	phosphorus	7723-14-0	0.068	0.01		91	
	non noble metal	zinc	7440-66-6	0.273	0.04		363	
	non noble metal	iron	7439-89-6	5.459	0.72		7250	
	non noble metal	copper	7440-50-8	221.639	29.44	30.21	294379	302083
wires	noble metal	palladium	7440-05-3	0.025			33	
	non noble metal	copper	7440-50-8	2.458	0.33	0.33	3265	3298
encapsulation	organic material	carbon black	1333-86-4	2.205	0.29		2928	
	plastics	epoxy resin	-	59.529	7.91		79065	
	inorganic material	silicondioxide	60676-86-0	379.219	50.37	58.57	503673	585666
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	0.36	0.36	3631	3639
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			14	
	non noble metal	nickel	7440-02-0	10.653	1.41	1.41	14149	14180
glue	plastics	epoxy resin	-	3.128	0.42		4155	
	noble metal	silver	7440-22-4	9.385	1.25	1.67	12465	16620
*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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