

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XC2388E-136F128LR AA	**Issued**	11. April 2021
MA#	MA005353456		
Package	PG-LQFP-144-23	**Weight***	1441.18 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	3.89	3.89	38927	38927
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		77	
	non noble metal	zinc	7440-66-6	0.442	0.03		306	
	non noble metal	iron	7439-89-6	8.832	0.61		6128	
	non noble metal	copper	7440-50-8	358.600	24.88	25.53	248823	255334
wires	noble metal	palladium	7440-05-3	0.033			23	
	non noble metal	copper	7440-50-8	3.236	0.22	0.22	2245	2268
encapsulation	organic material	carbon black	1333-86-4	4.872	0.34		3380	
	plastics	epoxy resin	-	131.542	9.13		91273	
	inorganic material	silicondioxide	60676-86-0	837.972	58.16	67.63	581449	676102
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	2734	2740
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	1.59	1.59	15911	15946
glue	plastics	epoxy resin	-	3.128	0.22		2171	
	noble metal	silver	7440-22-4	9.385	0.65	0.87	6512	8683
*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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