

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XC2331D-20F66LR AA	**Issued**	11. April 2021
MA#	MA005348945		
Package	PG-LQFP-64-24	**Weight***	374.13 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	17.352	4.64	4.64	46379	46379
leadframe	inorganic material	phosphorus	7723-14-0	0.033	0.01		89	
	non noble metal	zinc	7440-66-6	0.134	0.04		357	
	non noble metal	iron	7439-89-6	2.675	0.72		7150	
	non noble metal	copper	7440-50-8	108.612	29.03	29.80	290301	297897
wires	noble metal	palladium	7440-05-3	0.012			33	
	non noble metal	copper	7440-50-8	1.210	0.32	0.32	3233	3266
encapsulation	organic material	carbon black	1333-86-4	1.151	0.31		3077	
	plastics	epoxy resin	-	31.087	8.31		83090	
	inorganic material	silicondioxide	60676-86-0	198.034	52.91	61.53	529313	615480
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	0.48	0.48	4754	4765
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	1.44	1.44	14375	14406
glue	plastics	epoxy resin	-	1.666	0.45		4452	
	noble metal	silver	7440-22-4	4.997	1.34	1.79	13355	17807
*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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