

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC1724N-192F80HR AC	**Issued**	02. April 2021
MA#	MA001622068		
Package	PG-LQFP-144-23	**Weight***	1426.01 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	57.220	4.01	4.01	40126	40126
leadframe	inorganic material	phosphorus	7723-14-0	0.110	0.01		77	
	non noble metal	zinc	7440-66-6	0.442	0.03		310	
	non noble metal	iron	7439-89-6	8.832	0.62		6193	
	non noble metal	copper	7440-50-8	358.600	25.15	25.81	251471	258051
wires	noble metal	palladium	7440-05-3	0.027			19	
	non noble metal	copper	7440-50-8	2.658	0.19	0.19	1864	1883
encapsulation	organic material	carbon black	1333-86-4	4.889	0.34		3429	
	plastics	epoxy resin	-	132.015	9.26		92576	
	inorganic material	silicondioxide	60676-86-0	840.983	58.96	68.56	589747	685752
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	0.28	0.28	2763	2769
plating	noble metal	silver	7440-22-4	0.097	0.01		68	
	noble metal	palladium	7440-05-3	0.111	0.01		78	
	noble metal	gold	7440-57-5	0.178	0.01		125	
	non noble metal	nickel	7440-02-0	3.244	0.23	0.26	2275	2546
glue	plastics	epoxy resin	-	3.163	0.22		2218	
	noble metal	silver	7440-22-4	9.490	0.67	0.89	6655	8873
*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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