

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC334LP-32F200F AA	**Issued**	18. May 2021
MA#	MA005447376		
Package	PG-TQFP-144-27	**Weight***	699.58 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	21.562	3.08	3.08	30820	30820
leadframe	inorganic material	phosphorus	7723-14-0	0.066	0.01		95	
	non noble metal	zinc	7440-66-6	0.265	0.04		379	
	non noble metal	iron	7439-89-6	5.302	0.76		7579	
	non noble metal	copper	7440-50-8	215.278	30.77	31.58	307723	315776
wires	noble metal	gold	7440-57-5	0.003			4	
	noble metal	palladium	7440-05-3	0.056	0.01		80	
	non noble metal	copper	7440-50-8	2.497	0.36	0.37	3569	3653
encapsulation	organic material	carbon black	1333-86-4	1.333	0.19		1905	
	plastics	epoxy resin	-	56.418	8.06		80644	
	inorganic material	silicondioxide	60676-86-0	386.483	55.26	63.51	552446	634995
leadfinish	noble metal	palladium	7440-05-3	0.003			4	
	noble metal	silver	7440-22-4	0.003			4	
	noble metal	gold	7440-57-5	0.005			7	
	non noble metal	nickel	7440-02-0	4.713	0.67	0.67	6738	6753
plating	noble metal	palladium	7440-05-3	0.000			1	
	noble metal	silver	7440-22-4	0.000			1	
	noble metal	gold	7440-57-5	0.000			1	
	non noble metal	nickel	7440-02-0	0.366	0.05	0.05	523	526
glue	plastics	epoxy resin	-	1.151	0.16		1645	
	noble metal	silver	7440-22-4	4.080	0.58	0.74	5832	7477
*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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