

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC234LX-32F200F AB	**Issued**	08. April 2022
MA#	MA005416256		
Package	PG-TQFP-144-27	**Weight***	702.91 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	39.071	5.56	5.56	55584	55584
leadframe	inorganic material	phosphorus	7723-14-0	0.066	0.01		94	
	non noble metal	zinc	7440-66-6	0.265	0.04		377	
	non noble metal	iron	7439-89-6	5.302	0.75		7543	
	non noble metal	copper	7440-50-8	215.278	30.63	31.43	306268	314282
wires	noble metal	palladium	7440-05-3	0.022			31	
	non noble metal	copper	7440-50-8	2.180	0.31	0.31	3101	3132
encapsulation	organic material	carbon black	1333-86-4	1.284	0.18		1827	
	plastics	epoxy resin	-	54.377	7.74		77360	
	inorganic material	silicondioxide	60676-86-0	372.502	53.00	60.92	529943	609130
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	6706	6721
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	520	523
glue	plastics	epoxy resin	-	1.644	0.23		2338	
	noble metal	silver	7440-22-4	5.827	0.83	1.06	8290	10628
*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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