

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC264DA-40F200N BC	**Issued**	18. August 2021
MA#	MA001673786		
Package	PG-LQFP-144-22	**Weight***	1393.53 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	61.551	4.42	4.42	44169	44169
leadframe	inorganic material	phosphorus	7723-14-0	0.094	0.01		68	
	non noble metal	zinc	7440-66-6	0.377	0.03		271	
	non noble metal	iron	7439-89-6	7.550	0.54		5418	
	non noble metal	copper	7440-50-8	306.542	22.00	22.58	219975	225732
wires	noble metal	gold	7440-57-5	0.003			2	
	noble metal	palladium	7440-05-3	0.058			42	
	non noble metal	copper	7440-50-8	2.573	0.18	0.18	1847	1891
encapsulation	organic material	carbon black	1333-86-4	2.936	0.21		2107	
	plastics	epoxy resin	-	124.297	8.92		89196	
	inorganic material	silicondioxide	60676-86-0	851.481	61.11	70.24	611027	702330
leadfinish	noble metal	silver	7440-22-4	0.003			2	
	noble metal	palladium	7440-05-3	0.004			3	
	noble metal	gold	7440-57-5	0.006			4	
	non noble metal	nickel	7440-02-0	6.242	0.45	0.45	4480	4489
plating	noble metal	silver	7440-22-4	0.010			7	
	noble metal	palladium	7440-05-3	0.012			8	
	noble metal	gold	7440-57-5	0.019			13	
	non noble metal	nickel	7440-02-0	18.963	1.36	1.36	13608	13636
glue	plastics	epoxy resin	-	2.377	0.17		1706	
	noble metal	silver	7440-22-4	8.427	0.60	0.77	6047	7753
*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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