

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC264D-40F200W BC	**Issued**	12. April 2021
MA#	MA005401444		
Package	PG-LQFP-144-22	**Weight***	1390.37 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	44.943	3.23	3.23	32324	32324
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		5430	
	non noble metal	copper	7440-50-8	306.542	22.05	22.63	220475	226244
wires	noble metal	gold	7440-57-5	0.003			2	
	noble metal	palladium	7440-05-3	0.062			45	
	non noble metal	copper	7440-50-8	2.769	0.20	0.20	1992	2039
encapsulation	organic material	carbon black	1333-86-4	2.982	0.21		2144	
	plastics	epoxy resin	-	126.219	9.08		90781	
	inorganic material	silicondioxide	60676-86-0	864.648	62.20	71.49	621884	714809
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	4490	4499
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			14	
	non noble metal	nickel	7440-02-0	18.963	1.36	1.36	13639	13668
glue	plastics	epoxy resin	-	1.963	0.14		1412	
	noble metal	silver	7440-22-4	6.959	0.50	0.64	5005	6417
*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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