



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-TC364DP-64F300F AA	Issued	11. August 2021
MA#	MA005407954		
Package	PG-TQFP-144-27	Weight*	702.25 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	32.350	4.61	4.61	46066	46066
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	0.76		7550	
	non noble metal	copper	7440-50-8	215.278	30.66	31.47	306556	314577
wires	noble metal	palladium	7440-05-3	0.034			48	
	non noble metal	copper	7440-50-8	3.365	0.48	0.48	4792	4840
encapsulation	organic material	carbon black	1333-86-4	1.302	0.19		1855	
	plastics	epoxy resin	-	55.134	7.85		78511	
	inorganic material	silicondioxide	60676-86-0	377.691	53.77	61.81	537833	618199
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	6712	6727
plating	noble metal	silver	7440-22-4	0.002			2	
	noble metal	palladium	7440-05-3	0.002			3	
	noble metal	gold	7440-57-5	0.003			4	
	non noble metal	nickel	7440-02-0	0.052	0.01	0.01	74	83
glue	plastics	epoxy resin	-	1.469	0.21		2092	
	noble metal	silver	7440-22-4	5.208	0.74	0.95	7416	9508
*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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