



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SAK-TC364DP-64F300F AA	<b>Issued</b>	18. April 2021
<b>MA#</b>	MA005568662		
<b>Package</b>	PG-TQFP-144-27	<b>Weight*</b>	702.29 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	46064	46064
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		7549	
	non noble metal	copper	7440-50-8	215.278	30.65	31.45	306540	314560
wires	noble metal	palladium	7440-05-3	0.034			49	
	non noble metal	copper	7440-50-8	3.414	0.49	0.49	4862	4911
encapsulation	organic material	carbon black	1333-86-4	1.302	0.19		1854	
	plastics	epoxy resin	-	55.133	7.85		78505	
	inorganic material	silicondioxide	60676-86-0	377.682	53.78	61.82	537790	618149
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		2091	
	noble metal	silver	7440-22-4	5.208	0.74	0.95	7415	9506
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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