



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-TC365DP-64F300W AA	Issued	24. June 2021
MA#	MA005551904		
Package	PG-LQFP-176-22	Weight*	1961.61 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	35.944	1.83	1.83	18324	18324
leadframe	inorganic material	phosphorus	7723-14-0	0.136	0.01		69	
	non noble metal	zinc	7440-66-6	0.543	0.03		277	
	non noble metal	iron	7439-89-6	10.869	0.55		5541	
	non noble metal	copper	7440-50-8	441.312	22.50	23.09	224974	230861
wires	noble metal	palladium	7440-05-3	0.130	0.01		66	
	non noble metal	copper	7440-50-8	5.068	0.26	0.27	2584	2650
encapsulation	organic material	carbon black	1333-86-4	4.344	0.22		2214	
	plastics	epoxy resin	-	183.881	9.37		93740	
	inorganic material	silicondioxide	60676-86-0	1,259.659	64.21	73.80	642157	738111
leadfinish	noble metal	palladium	7440-05-3	0.004			2	
	noble metal	silver	7440-22-4	0.004			2	
	noble metal	gold	7440-57-5	0.007			4	
	non noble metal	nickel	7440-02-0	7.048	0.36	0.36	3593	3601
plating	noble metal	silver	7440-22-4	0.129	0.01		66	
	noble metal	palladium	7440-05-3	0.147	0.01		75	
	noble metal	gold	7440-57-5	0.236	0.01		120	
	non noble metal	nickel	7440-02-0	4.310	0.22	0.25	2197	2458
glue	plastics	epoxy resin	-	1.724	0.09		879	
	noble metal	silver	7440-22-4	6.112	0.31	0.40	3116	3995
*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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