

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC364DP-64F300W AA	**Issued**	19. May 2021
MA#	MA005551919		
Package	PG-LQFP-144-25	**Weight***	1825.51 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	1.97	1.97	19690	19690
leadframe	inorganic material	phosphorus	7723-14-0	0.132	0.01		73	
	non noble metal	zinc	7440-66-6	0.530	0.03		290	
	non noble metal	iron	7439-89-6	10.592	0.58		5802	
	non noble metal	copper	7440-50-8	430.077	23.56	24.18	235594	241759
wires	noble metal	palladium	7440-05-3	0.112	0.01		61	
	non noble metal	copper	7440-50-8	4.365	0.24	0.25	2391	2452
encapsulation	organic material	carbon black	1333-86-4	3.993	0.22		2187	
	plastics	epoxy resin	-	169.038	9.26		92598	
	inorganic material	silicondioxide	60676-86-0	1,157.974	63.43	72.91	634330	729115
leadfinish	noble metal	palladium	7440-05-3	0.033			18	
	noble metal	gold	7440-57-5	0.053			29	
	non noble metal	nickel	7440-02-0	0.974	0.05	0.05	533	580
plating	noble metal	palladium	7440-05-3	0.114	0.01		62	
	noble metal	gold	7440-57-5	0.183	0.01		100	
	non noble metal	nickel	7440-02-0	3.335	0.18	0.20	1827	1989
glue	plastics	acrylic resin	-	1.773	0.10		971	
	noble metal	silver	7440-22-4	6.287	0.34	0.44	3444	4415
*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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