

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC1767-256F133HR AD	**Issued**	02. April 2021
MA#	MA001620942		
Package	PG-LQFP-176-9	**Weight***	2018.19 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	38.556	1.91	1.91	19104	19104
leadframe	inorganic material	phosphorus	7723-14-0	0.148	0.01		73	
	non noble metal	zinc	7440-66-6	0.592	0.03		294	
	non noble metal	iron	7439-89-6	11.849	0.59		5871	
	non noble metal	copper	7440-50-8	481.113	23.84	24.47	238388	244626
wire	non noble metal	copper	7440-50-8	3.609	0.18	0.18	1788	1788
encapsulation	organic material	carbon black	1333-86-4	7.194	0.36		3564	
	plastics	epoxy resin	-	194.233	9.62		96241	
	inorganic material	silicondioxide	60676-86-0	1,237.335	61.30	71.28	613091	712896
leadfinish	noble metal	palladium	7440-05-3	0.003			1	
	noble metal	silver	7440-22-4	0.002			1	
	noble metal	gold	7440-57-5	0.005			2	
	non noble metal	nickel	7440-02-0	4.595	0.23	0.23	2277	2281
plating	noble metal	silver	7440-22-4	0.018			9	
	noble metal	palladium	7440-05-3	0.020			10	
	noble metal	gold	7440-57-5	0.033			16	
	non noble metal	nickel	7440-02-0	32.763	1.62	1.62	16234	16269
glue	plastics	epoxy resin	-	1.532	0.08		759	
	noble metal	silver	7440-22-4	4.595	0.23	0.31	2277	3036
*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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