

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC375TE-96F300W AB	**Issued**	18. August 2021
MA#	MA005569795		
Package	PG-LQFP-176-22	**Weight***	1965.91 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	61.283	3.12	3.12	31173	31173
leadframe	inorganic material	phosphorus	7723-14-0	0.136	0.01		69	
	non noble metal	zinc	7440-66-6	0.543	0.03		276	
	non noble metal	iron	7439-89-6	10.869	0.55		5529	
	non noble metal	copper	7440-50-8	441.312	22.45	23.04	224483	230357
wires	noble metal	palladium	7440-05-3	0.105	0.01		53	
	non noble metal	copper	7440-50-8	4.088	0.21	0.22	2080	2133
encapsulation	organic material	carbon black	1333-86-4	4.275	0.22		2174	
	plastics	epoxy resin	-	180.964	9.21		92051	
	inorganic material	silicondioxide	60676-86-0	1,239.677	63.03	72.46	630588	724813
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	3585	3593
plating	noble metal	silver	7440-22-4	0.129	0.01		65	
	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	2193	2453
glue	plastics	epoxy resin	-	2.369	0.12		1205	
	noble metal	silver	7440-22-4	8.400	0.43	0.55	4273	5478
*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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