

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC297T-96F300N BC	**Issued**	18. May 2021
MA#	MA005564367		
Package	PG-LFBGA-292-10	**Weight***	982.14 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	38.541	3.92	3.92	39242	39242
wire	noble metal	palladium	7440-05-3	0.020			20	
	non noble metal	copper	7440-50-8	1.976	0.20	0.20	2012	2032
encapsulation	organic material	carbon black	1333-86-4	0.677	0.07		690	
	plastics	epoxy resin	-	46.739	4.76		47589	
	inorganic material	silicondioxide	60676-86-0	291.273	29.66	34.49	296568	344847
substrate	inorganic material	bariumsulfate	7727-43-7	9.349	0.95		9519	
	plastics	acrylic resin	-	10.820	1.10		11016	
	non noble metal	metal hydroxide	-	12.990	1.32		13226	
	inorganic material	amorphous silica	7631-86-9	25.979	2.65		26451	
	plastics	epoxy resin	-	45.061	4.59		45881	
	inorganic material	glass fibre wool	65997-17-3	51.958	5.29		52903	
	non noble metal	copper	7440-50-8	310.560	31.62	47.52	316206	475202
plating	noble metal	gold	7440-57-5	1.136	0.12		1157	
	non noble metal	nickel	7440-02-0	3.110	0.32	0.44	3167	4324
solderball	noble metal	silver	7440-22-4	4.411	0.45		4491	
	non noble metal	tin	7440-31-5	121.620	12.38	12.83	123831	128322
glue	plastics	epoxy resin	-	1.481	0.15		1508	
	noble metal	silver	7440-22-4	4.442	0.45	0.60	4523	6031
*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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