

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC297TX-128F300N BC	**Issued**	30. July 2019
MA#	MA005350798		
Package	PG-LFBGA-292-10	**Weight***	985.31 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	54.779	5.56	5.56	55596	55596
wire	noble metal	palladium	7440-05-3	0.020	0.00		20	
	non noble metal	copper	7440-50-8	1.976	0.20	0.20	2005	2025
encapsulation	organic material	carbon black	1333-86-4	0.647	0.07		657	
	plastics	epoxy resin	-	44.645	4.53		45311	
	inorganic material	silicondioxide	60676-86-0	278.223	28.24	32.84	282371	328339
substrate	inorganic material	bariumsulfate	7727-43-7	9.349	0.95		9488	
	plastics	acrylic resin	-	10.820	1.10		10981	
	non noble metal	metal hydroxide	-	12.990	1.32		13183	
	inorganic material	amorphous silica	7631-86-9	25.979	2.64		26367	
	plastics	epoxy resin	-	45.061	4.57		45733	
	inorganic material	glass fibre wool	65997-17-3	51.958	5.27		52733	
	non noble metal	copper	7440-50-8	310.560	31.51	47.36	315191	473676
plating	noble metal	gold	7440-57-5	1.136	0.12		1153	
	non noble metal	nickel	7440-02-0	3.110	0.32	0.44	3157	4310
solderball	noble metal	silver	7440-22-4	4.411	0.45		4477	
	non noble metal	tin	7440-31-5	121.620	12.34	12.79	123433	127910
glue	plastics	epoxy resin	-	2.006	0.20		2036	
	noble metal	silver	7440-22-4	6.019	0.61	0.81	6108	8144
*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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