

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC297TP-128F300N BC	**Issued**	18. August 2019
MA#	MA005343010		
Package	PG-LFBGA-292-6	**Weight***	937.64 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	36.614	3.90	3.90	39049	39049
wire	noble metal	palladium	7440-05-3	0.014	0.00		15	
	non noble metal	copper	7440-50-8	1.407	0.15	0.15	1501	1516
encapsulation	organic material	carbon black	1333-86-4	0.681	0.07		726	
	plastics	epoxy resin	-	46.997	5.01		50123	
	inorganic material	silicondioxide	60676-86-0	292.883	31.24	36.32	312361	363210
substrate	plastics	epoxy resin	-	6.479	0.69		6910	
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10603	
	plastics	acrylic resin	-	11.506	1.23		12271	
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.68		56808	
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.52		65224	
	inorganic material	glass fibre	-	82.857	8.84		88368	
	non noble metal	copper	7440-50-8	196.577	20.97	44.99	209651	449835
plating	noble metal	gold	7440-57-5	1.106	0.12		1180	
	non noble metal	nickel	7440-02-0	3.027	0.32	0.44	3229	4409
solderball	noble metal	silver	7440-22-4	4.457	0.48		4754	
	non noble metal	tin	7440-31-5	122.898	13.11	13.59	131072	135826
glue	plastics	epoxy resin	-	1.443	0.15		1539	
	noble metal	silver	7440-22-4	4.328	0.46	0.61	4616	6155
*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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