

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC299TX-128F300N BC	**Issued**	25. July 2019
MA#	MA005350581		
Package	PG-LFBGA-516-5	**Weight***	1991.49 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	52.040	2.61	2.61	26131	26131
wire	noble metal	palladium	7440-05-3	0.047	0.00		24	
	non noble metal	copper	7440-50-8	4.652	0.23	0.23	2336	2360
encapsulation	organic material	carbon black	1333-86-4	1.648	0.08		828	
	plastics	epoxy resin	-	113.732	5.71		57109	
	inorganic material	silicondioxide	60676-86-0	708.767	35.60	41.39	355900	413837
substrate	inorganic material	bariumsulfate	7727-43-7	23.317	1.17		11708	
	non noble metal	metal hydroxide	-	26.895	1.35		13505	
	plastics	acrylic resin	-	26.985	1.36		13550	
	inorganic material	amorphous silica	7631-86-9	53.790	2.70		27010	
	plastics	epoxy resin	-	95.881	4.81		48145	
	inorganic material	glass fibre wool	65997-17-3	107.581	5.40		54020	
	non noble metal	copper	7440-50-8	517.918	26.01	42.80	260066	428004
plating	noble metal	gold	7440-57-5	0.489	0.02		245	
	non noble metal	nickel	7440-02-0	1.337	0.07	0.09	672	917
solderball	noble metal	silver	7440-22-4	8.700	0.44		4368	
	non noble metal	tin	7440-31-5	239.863	12.04	12.48	120444	124812
glue	plastics	epoxy resin	-	1.961	0.10		985	
	noble metal	silver	7440-22-4	5.883	0.30	0.40	2954	3939
*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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