



Material Content Data Sheet



Sales Product Name				SAK-TC299TX-128F300N BC		Issued		20. July 2018	
MA#				MA001650314					
Package				PG-LFBGA-516-5		Weight*		1990.62 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	26143	26143	
wire	noble metal	palladium	7440-05-3	0.023	0.00		12		
	non noble metal	copper	7440-50-8	2.308	0.12	0.12	1159	1171	
encapsulation	organic material	carbon black	1333-86-4	1.650	0.08		829		
	plastics	epoxy resin	-	113.862	5.72		57199		
	inorganic material	silicondioxide	60676-86-0	709.573	35.64	41.44	356459	414487	
substrate	inorganic material	bariumsulfate	7727-43-7	23.317	1.17		11713		
	plastics	acrylic resin	-	26.985	1.36		13556		
	inorganic material	Metal Hydroxide	-	32.274	1.62		16213		
	inorganic material	silicondioxide	60676-86-0	102.202	5.13		51342		
	plastics	epoxy resin	-	192.704	9.68		96806		
	inorganic material	glass fibre	-	225.920	11.35		113493		
	non noble metal	copper	7440-50-8	248.966	12.51	42.82	125070	428193	
plating	non noble metal	nickel	7440-02-0	1.747	0.09	0.12	878	1199	
	noble metal	gold	7440-57-5	0.638	0.03		321		
solderball	noble metal	silver	7440-22-4	8.700	0.44		4370		
	non noble metal	tin	7440-31-5	239.863	12.05	12.49	120497	124867	
glue	plastics	epoxy resin	-	1.961	0.10		985		
	noble metal	silver	7440-22-4	5.883	0.30	0.40	2955	3940	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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