



Material Content Data Sheet



Sales Product Name				SAK-TC297TX-128F300N BC		Issued		22. January 2018	
MA#				MA001683832					
Package				PG-LFBGA-292-6		Weight*		941.04 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	5.53	5.53	55301	55301	
wire	noble metal	palladium	7440-05-3	0.014	0.00		15		
	non noble metal	copper	7440-50-8	1.396	0.15	0.15	1484	1499	
encapsulation	organic material	carbon black	1333-86-4	0.652	0.07		693		
	plastics	epoxy resin	-	44.989	4.78		47808		
	inorganic material	silicondioxide	60676-86-0	280.368	29.79	34.64	297932	346433	
substrate	plastics	epoxy resin	-	6.479	0.69		6885		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10565		
	plastics	acrylic resin	-	11.506	1.22		12226		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.66		56602		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.50		64988		
	inorganic material	glass fibre	-	82.857	8.80		88048		
	non noble metal	copper	7440-50-8	196.577	20.89	44.82	208893	448207	
plating	noble metal	gold	7440-57-5	1.231	0.13		1308		
	non noble metal	nickel	7440-02-0	3.370	0.36	0.49	3582	4890	
solderball	noble metal	silver	7440-22-4	4.457	0.47		4737		
	non noble metal	tin	7440-31-5	122.898	13.06	13.53	130598	135335	
glue	plastics	epoxy resin	-	1.961	0.21		2084		
	noble metal	silver	7440-22-4	5.883	0.63	0.84	6251	8335	
*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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