



Material Content Data Sheet



Sales Product Name				SAK-TC397XA-256F300S BC		Issued		31. January 2019	
MA#				MA003127326					
Package				PG-LFBGA-292-12		Weight*		988.58 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	47.237	4.78	4.78	47782	47782	
wire	noble metal	palladium	7440-05-3	0.019	0.00		20		
	non noble metal	copper	7440-50-8	1.914	0.19	0.19	1936	1956	
encapsulation	organic material	carbon black	1333-86-4	0.661	0.07		669		
	plastics	epoxy resin	-	45.619	4.61		46145		
	inorganic material	silicondioxide	60676-86-0	284.289	28.76	33.44	287572	334386	
substrate	inorganic material	bariumsulfate	7727-43-7	10.886	1.10		11012		
	plastics	acrylic resin	-	12.599	1.27		12744		
	non noble metal	metal hydroxide	-	12.981	1.31		13131		
	inorganic material	amorphous silica	7631-86-9	25.963	2.63		26263		
	plastics	epoxy resin	-	46.039	4.66		46570		
	inorganic material	glass fibre wool	65997-17-3	51.926	5.25		52525		
	non noble metal	copper	7440-50-8	309.790	31.35	47.57	313370	475615	
plating	noble metal	gold	7440-57-5	1.136	0.11		1149		
	non noble metal	nickel	7440-02-0	3.110	0.31	0.42	3146	4295	
solderball	noble metal	silver	7440-22-4	4.457	0.45		4509		
	non noble metal	tin	7440-31-5	122.898	12.43	12.88	124318	128827	
glue	plastics	epoxy resin	-	1.764	0.18		1785		
	noble metal	silver	7440-22-4	5.292	0.54	0.72	5354	7139	
*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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