



Material Content Data Sheet



Sales Product Name				SAK-TC1793F-512F270EF AB		Issued		27. September 2017	
MA#				MA001509542					
Package				PG-BGA-416-24		Weight*		3285.02 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	31.392	0.96	0.96	9556	9556	
wire	non noble metal	copper	7440-50-8	0.032	0.00	0.00	10	10	
encapsulation	organic material	carbon black	1333-86-4	2.723	0.08		829		
	plastics	epoxy resin	-	167.492	5.10		50986		
substrate	inorganic material	silicondioxide	60676-86-0	1191.507	36.24	41.42	362709	414524	
	inorganic material	bariumsulfate	7727-43-7	24.836	0.76		7560		
	inorganic material	Metal Hydroxide	-	26.477	0.81		8060		
	plastics	acrylic resin	-	28.742	0.88		8750		
	inorganic material	silicondioxide	60676-86-0	83.843	2.55		25523		
	plastics	epoxy resin	-	161.807	4.93		49256		
	inorganic material	glass fibre	-	185.337	5.64		56419		
	non noble metal	copper	7440-50-8	1049.462	31.95	47.52	319469	475037	
plating	noble metal	gold	7440-57-5	2.845	0.09		866		
	non noble metal	nickel	7440-02-0	7.787	0.24	0.33	2371	3237	
solderball	non noble metal	copper	7440-50-8	1.578	0.05		480		
	noble metal	silver	7440-22-4	12.627	0.38		3844		
	non noble metal	tin	7440-31-5	301.471	9.18	9.61	91771	96095	
glue	plastics	epoxy resin	-	1.266	0.04		385		
	noble metal	silver	7440-22-4	3.797	0.12	0.16	1156	1541	
*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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