



Material Content Data Sheet



Sales Product Name				SAK-TC1793F-512F270EF AB		Issued		12. August 2019	
MA#				MA001509542					
Package				PG-BGA-416-24		Weight*		3284.22 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	9558	9558	
wire	non noble metal	copper	7440-50-8	0.032	0.00	0.00	10	10	
encapsulation	organic material	carbon black	1333-86-4	2.724	0.08		829		
	plastics	epoxy resin	-	167.516	5.10		51006		
	inorganic material	silicondioxide	60676-86-0	1191.677	36.28	41.46	362849	414684	
substrate	non noble metal	metal hydroxide	-	22.064	0.67		6718		
	inorganic material	bariumsulfate	7727-43-7	24.836	0.76		7562		
	plastics	acrylic resin	-	28.742	0.88		8752		
	inorganic material	amorphous silica	7631-86-9	44.128	1.34		13436		
	plastics	epoxy resin	-	82.377	2.51		25083		
	inorganic material	glass fibre wool	65997-17-3	88.256	2.69		26873		
plating	non noble metal	copper	7440-50-8	1270.101	38.67	47.52	386729	475153	
	noble metal	gold	7440-57-5	2.578	0.08		785		
	non noble metal	nickel	7440-02-0	7.056	0.21	0.29	2149	2934	
solderball	non noble metal	copper	7440-50-8	1.578	0.05		481		
	noble metal	silver	7440-22-4	12.627	0.38		3845		
	non noble metal	tin	7440-31-5	301.471	9.18	9.61	91794	96120	
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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