



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC1793F-512F270EF AB		<b>Issued</b>		25. July 2019	
<b>MA#</b>				MA001415354					
<b>Package</b>				PG-BGA-416-24		<b>Weight*</b>		3284.17 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	31.142	0.95	0.95	9482	9482	
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		830		
	plastics	epoxy resin	-	167.545	5.10		51016		
	inorganic material	silicondioxide	60676-86-0	1191.883	36.29	41.47	362917	414763	
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	38.68	47.53	386734	475158	
	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	91795	96121	
glue	plastics	epoxy resin	-	1.257	0.04		383		
	noble metal	silver	7440-22-4	3.772	0.11	0.15	1149	1532	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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