



Material Content Data Sheet



Sales Product Name				SAK-TC1796-256F150E BE		Issued		25. September 2017	
MA#				MA001013792					
Package				PG-BGA-416-4		Weight*		3369.30 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	54.054	1.60	1.60	16043	16043	
wire	noble metal	gold	7440-57-5	12.469	0.37	0.37	3701	3701	
encapsulation	organic material	carbon black	1333-86-4	5.951	0.18		1766		
	plastics	epoxy resin	-	142.825	4.24		42390		
	inorganic material	silicondioxide	60676-86-0	1041.433	30.91	35.33	309095	353251	
substrate	plastics	epoxy resin	-	12.143	0.36		3604		
	inorganic material	bariumsulfate	7727-43-7	18.633	0.55		5530		
	plastics	acrylic resin	-	21.564	0.64		6400		
	plastics	bismaleimide triazine resin	-	245.310	7.28		72808		
	inorganic material	aluminiumhydroxide	21645-51-2	269.841	8.01		80088		
	inorganic material	glass fibre	-	466.090	13.83		138334		
	non noble metal	copper	7440-50-8	658.066	19.53	50.20	195312	502076	
plating	noble metal	gold	7440-57-5	0.762	0.02	0.02	226	226	
solderball	non noble metal	copper	7440-50-8	2.064	0.06		612		
	noble metal	silver	7440-22-4	16.508	0.49		4900		
	non noble metal	tin	7440-31-5	394.138	11.70	12.25	116979	122491	
glue	plastics	epoxy resin	-	1.863	0.06		553		
	noble metal	silver	7440-22-4	5.589	0.17	0.23	1659	2212	
*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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