



Material Content Data Sheet



Sales Product Name		SAK-TC1796-256F150E BE			Issued		19. July 2018	
MA#		MA001226480						
Package		P-BGA-416-25			Weight*		2592.43 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	49.517	1.91	1.91	19100	19100
wire	noble metal	palladium	7440-05-3	0.024	0.00		9	
	noble metal	platinum	7440-06-4	0.071	0.00		28	
	noble metal	gold	7440-57-5	9.412	0.36	0.36	3631	3668
encapsulation	organic material	carbon black	1333-86-4	2.389	0.09		922	
	inorganic material	silicondioxide	60676-86-0	146.928	5.67		56676	
	plastics	epoxy resin	-	1045.219	40.31	46.07	403180	460778
substrate	plastics	epoxy resin	-	24.545	0.95		9468	
	inorganic material	bariumsulfate	7727-43-7	37.664	1.45		14528	
	plastics	acrylic resin	-	43.589	1.68		16814	
	plastics	bismaleimide triazine resin	-	146.953	5.67		56685	
	inorganic material	aluminiumhydroxide	21645-51-2	161.648	6.24		62354	
	non noble metal	copper	7440-50-8	222.058	8.57		85656	
	inorganic material	glass fibre	-	279.210	10.77	35.33	107702	353207
plating	non noble metal	nickel	7440-02-0	0.685	0.03		264	
	noble metal	gold	7440-57-5	0.250	0.01	0.04	97	361
solderball	non noble metal	lead	7439-92-1	153.661	5.93		59273	
	non noble metal	tin	7440-31-5	261.638	10.09	16.02	100924	160197
glue	plastics	epoxy resin	-	1.743	0.07		672	
	noble metal	silver	7440-22-4	5.230	0.20	0.27	2017	2689
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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