



Material Content Data Sheet



Sales Product Name	SAK-TC1797-512F180EF AC			Issued		13. August 2019		
MA#	MA001426604							
Package	P-BGA-416-27			Weight*		3227.93 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	54.869	1.70	1.70	16998	16998
wire	non noble metal	copper	7440-50-8	4.217	0.13	0.13	1307	1307
encapsulation	organic material	carbon black	1333-86-4	2.380	0.07		737	
	plastics	epoxy resin	-	146.346	4.53		45337	
	inorganic material	silicondioxide	60676-86-0	1041.077	32.24	36.84	322522	368596
substrate	plastics	epoxy resin	-	22.546	0.70		6985	
	inorganic material	bariumsulfate	7727-43-7	34.597	1.07		10718	
	plastics	acrylic resin	-	40.039	1.24		12404	
	plastics	bismaleimide triazine resin	-	122.239	3.79		37869	
	inorganic material	aluminiumhydroxide	21645-51-2	134.463	4.17		41656	
	inorganic material	glass fibre	-	232.255	7.20		71952	
	non noble metal	copper	7440-50-8	961.301	29.78	47.95	297807	479391
plating	noble metal	gold	7440-57-5	2.345	0.07		727	
	non noble metal	nickel	7440-02-0	6.419	0.20	0.27	1989	2716
solderball	non noble metal	lead	7439-92-1	153.661	4.76		47603	
	non noble metal	tin	7440-31-5	261.638	8.11	12.87	81054	128657
glue	plastics	epoxy resin	-	1.884	0.06		584	
	noble metal	silver	7440-22-4	5.652	0.18	0.24	1751	2335
*deviation	< 10%	Sum in total:			100.00		1000000	

Important Remarks:

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