



Material Content Data Sheet



Sales Product Name		SAK-TC1796-256F150E BE		Issued		22. January 2018		
MA#		MA001226482						
Package		PG-BGA-416-25		Weight*		2542.81 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	50.928	2.00	2.00	20028	20028
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	0.37	0.37	3702	3739
encapsulation	organic material	carbon black	1333-86-4	2.387	0.09		939	
	inorganic material	silicondioxide	60676-86-0	146.790	5.77		57727	
	plastics	epoxy resin	-	1044.235	41.08	46.94	410662	469328
substrate	plastics	epoxy resin	-	24.402	0.96		9596	
	inorganic material	bariumsulfate	7727-43-7	37.444	1.47		14726	
	plastics	acrylic resin	-	43.334	1.70		17042	
	plastics	bismaleimide triazine resin	-	146.953	5.78		57791	
	inorganic material	aluminiumhydroxide	21645-51-2	161.648	6.36		63571	
	non noble metal	copper	7440-50-8	222.058	8.73		87328	
	inorganic material	glass fibre	-	279.210	10.98	35.98	109804	359858
plating	non noble metal	nickel	7440-02-0	0.685	0.03		269	
	noble metal	gold	7440-57-5	0.250	0.01	0.04	98	367
solderball	non noble metal	copper	7440-50-8	1.829	0.07		719	
	noble metal	silver	7440-22-4	14.634	0.58		5755	
	non noble metal	tin	7440-31-5	349.395	13.74	14.39	137405	143879
glue	plastics	epoxy resin	-	1.781	0.07		700	
	noble metal	silver	7440-22-4	5.343	0.21	0.28	2101	2801
*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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