



Material Content Data Sheet



Sales Product Name				SAK-TC1791F-512F240EP AB		Issued		1. August 2018	
MA#				MA001509534					
Package				PG-LFBGA-292-6		Weight*		938.65 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	31.392	3.34	3.34	33444	33444	
wire	noble metal	palladium	7440-05-3	0.014	0.00		15		
	non noble metal	copper	7440-50-8	1.396	0.15	0.15	1487	1502	
encapsulation	organic material	carbon black	1333-86-4	0.691	0.07		736		
	plastics	epoxy resin	-	47.661	5.08		50776		
	inorganic material	silicondioxide	60676-86-0	297.017	31.67	36.82	316431	367943	
substrate	plastics	epoxy resin	-	6.479	0.69		6902		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10592		
	plastics	acrylic resin	-	11.506	1.23		12258		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.67		56747		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.52		65154		
	inorganic material	glass fibre	-	82.857	8.83		88273		
	non noble metal	copper	7440-50-8	196.577	20.94	44.94	209426	449352	
plating	noble metal	gold	7440-57-5	3.137	0.33		3342		
	non noble metal	nickel	7440-02-0	3.137	0.33	0.66	3342	6684	
solderball	noble metal	silver	7440-22-4	4.457	0.47		4749		
	non noble metal	tin	7440-31-5	122.898	13.09	13.56	130931	135680	
glue	plastics	epoxy resin	-	1.266	0.13		1349		
	noble metal	silver	7440-22-4	3.797	0.40	0.53	4046	5395	
*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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