



Material Content Data Sheet



Sales Product Name				SAK-TC1791F-512F240EP AB		Issued		25. September 2017	
MA#				MA001509534					
Package				PG-LFBGA-292-6		Weight*		937.17 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	3.35	3.35	33496	33496	
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	1490	1505	
encapsulation	organic material	carbon black	1333-86-4	0.690	0.07		736		
	plastics	epoxy resin	-	47.623	5.08		50816		
	inorganic material	silicondioxide	60676-86-0	296.782	31.66	36.81	316680	368232	
substrate	plastics	epoxy resin	-	6.479	0.69		6913		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10608		
	plastics	acrylic resin	-	11.506	1.23		12277		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.68		56836		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.53		65257		
	inorganic material	glass fibre	-	82.857	8.84		88412		
	non noble metal	copper	7440-50-8	196.577	20.98	45.01	209756	450059	
plating	noble metal	gold	7440-57-5	1.357	0.14		1448		
	non noble metal	nickel	7440-02-0	3.714	0.40	0.54	3963	5411	
solderball	noble metal	silver	7440-22-4	4.457	0.48		4756		
	non noble metal	tin	7440-31-5	122.898	13.11	13.59	131138	135894	
glue	plastics	epoxy resin	-	1.266	0.14		1351		
	noble metal	silver	7440-22-4	3.797	0.41	0.55	4052	5403	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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