



Material Content Data Sheet



Sales Product Name				SAK-TC1797-512F180EF AC		Issued		19. January 2018	
MA#				MA001248194					
Package				PG-BGA-416-27		Weight*		3179.08 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	1.73	1.73	17259	17259	
wire	non noble metal	copper	7440-50-8	4.217	0.13	0.13	1327	1327	
encapsulation	organic material	carbon black	1333-86-4	2.379	0.07		748		
	plastics	epoxy resin	-	146.328	4.60		46029		
substrate	inorganic material	silicondioxide	60676-86-0	1040.952	32.73	37.40	327438	374215	
	plastics	epoxy resin	-	22.546	0.71		7092		
	inorganic material	bariumsulfate	7727-43-7	34.597	1.09		10883		
	plastics	acrylic resin	-	40.039	1.26		12595		
	plastics	bismaleimide triazine resin	-	122.239	3.85		38451		
	inorganic material	aluminiumhydroxide	21645-51-2	134.463	4.23		42296		
	inorganic material	glass fibre	-	232.255	7.31		73057		
	non noble metal	copper	7440-50-8	961.301	30.24	48.69	302384	486758	
plating	noble metal	gold	7440-57-5	2.541	0.08		799		
	non noble metal	nickel	7440-02-0	6.955	0.22	0.30	2188	2987	
solderball	non noble metal	copper	7440-50-8	1.829	0.06		575		
	noble metal	silver	7440-22-4	14.634	0.46		4603		
	non noble metal	tin	7440-31-5	349.395	10.99	11.51	109905	115083	
glue	plastics	epoxy resin	-	1.884	0.06		593		
	noble metal	silver	7440-22-4	5.652	0.18	0.24	1778	2371	
*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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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