



Material Content Data Sheet



Sales Product Name				SAK-TC1793F-512F270EF AB		Issued		20. July 2018	
MA#				MA001509542					
Package				PG-BGA-416-24		Weight*		3285.02 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	0.96	0.96	9556	9556	
wire	non noble metal	copper	7440-50-8	0.032	0.00	0.00	10	10	
encapsulation	organic material	carbon black	1333-86-4	2.723	0.08		829		
	plastics	epoxy resin	-	167.492	5.10		50986		
	inorganic material	silicondioxide	60676-86-0	1191.507	36.24	41.42	362709	414524	
substrate	inorganic material	bariumsulfate	7727-43-7	24.836	0.76		7560		
	inorganic material	Metal Hydroxide	-	26.477	0.81		8060		
	plastics	acrylic resin	-	28.742	0.88		8750		
	inorganic material	silicondioxide	60676-86-0	83.843	2.55		25523		
	plastics	epoxy resin	-	161.807	4.93		49256		
	inorganic material	glass fibre	-	185.337	5.64		56419		
plating	non noble metal	copper	7440-50-8	1049.462	31.95	47.52	319469	475037	
	noble metal	gold	7440-57-5	2.845	0.09		866		
	non noble metal	nickel	7440-02-0	7.787	0.24	0.33	2371	3237	
solderball	non noble metal	copper	7440-50-8	1.578	0.05		480		
	noble metal	silver	7440-22-4	12.627	0.38		3844		
	non noble metal	tin	7440-31-5	301.471	9.18	9.61	91771	96095	
glue	plastics	epoxy resin	-	1.266	0.04		385		
	noble metal	silver	7440-22-4	3.797	0.12	0.16	1156	1541	
*deviation	< 10%		Sum in total:			100.00		1000000	

Important Remarks:

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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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com