



Material Content Data Sheet



Sales Product Name				SAK-TC277TP-64F200N DC		Issued		22. January 2018	
MA#				MA001660236					
Package				PG-LFBGA-292-6		Weight*		935.40 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	23.511	2.51	2.51	25134	25134	
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	1492	1507	
encapsulation	organic material	carbon black	1333-86-4	0.706	0.08		754		
	plastics	epoxy resin	-	48.684	5.20		52047		
	inorganic material	silicondioxide	60676-86-0	303.395	32.43	37.71	324349	377150	
substrate	plastics	epoxy resin	-	6.479	0.69		6926		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10628		
	plastics	acrylic resin	-	11.506	1.23		12300		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.69		56944		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.54		65380		
	inorganic material	glass fibre	-	82.857	8.86		88579		
	non noble metal	copper	7440-50-8	196.577	21.02	45.09	210153	450910	
plating	noble metal	gold	7440-57-5	1.231	0.13		1316		
	non noble metal	nickel	7440-02-0	3.370	0.36	0.49	3603	4919	
solderball	noble metal	silver	7440-22-4	4.457	0.48		4765		
	non noble metal	tin	7440-31-5	122.898	13.14	13.62	131386	136151	
glue	plastics	epoxy resin	-	0.989	0.11		1057		
	noble metal	silver	7440-22-4	2.968	0.32	0.43	3172	4229	
*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