



Material Content Data Sheet



Sales Product Name				SAK-TC277TC-64F200N DC		Issued		30. July 2019	
MA#				MA003975696					
Package				PG-LFBGA-292-6		Weight*		935.04 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	25144	25144	
wire	noble metal	palladium	7440-05-3	0.014	0.00		15		
	non noble metal	copper	7440-50-8	1.407	0.15	0.15	1505	1520	
encapsulation	organic material	carbon black	1333-86-4	0.706	0.08		755		
	plastics	epoxy resin	-	48.697	5.21		52080		
	inorganic material	silicondioxide	60676-86-0	303.473	32.46	37.75	324558	377393	
substrate	plastics	epoxy resin	-	6.479	0.69		6929		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10632		
	plastics	acrylic resin	-	11.506	1.23		12305		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.70		56966		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.54		65405		
	inorganic material	glass fibre	-	82.857	8.86		88614		
	non noble metal	copper	7440-50-8	196.577	21.02	45.10	210235	451086	
plating	noble metal	gold	7440-57-5	1.106	0.12		1183		
	non noble metal	nickel	7440-02-0	3.027	0.32	0.44	3238	4421	
solderball	noble metal	silver	7440-22-4	4.457	0.48		4767		
	non noble metal	tin	7440-31-5	122.898	13.14	13.62	131437	136204	
glue	plastics	epoxy resin	-	0.989	0.11		1058		
	noble metal	silver	7440-22-4	2.968	0.32	0.43	3174	4232	
*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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