



Material Content Data Sheet



Sales Product Name				SAK-TC299TX-128F300S BC		Issued		12. August 2019	
MA#				MA002035124					
Package				PG-LFBGA-516-5		Weight*		1990.18 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	52.040	2.61	2.61	26149	26149	
wire	noble metal	palladium	7440-05-3	0.023	0.00		12		
	non noble metal	copper	7440-50-8	2.326	0.12	0.12	1169	1181	
encapsulation	organic material	carbon black	1333-86-4	1.650	0.08		829		
	plastics	epoxy resin	-	113.877	5.72		57219		
substrate	inorganic material	silicondioxide	60676-86-0	709.666	35.66	41.46	356584	414632	
	inorganic material	bariumsulfate	7727-43-7	23.317	1.17		11716		
	non noble metal	metal hydroxide	-	26.895	1.35		13514		
	plastics	acrylic resin	-	26.985	1.36		13559		
	inorganic material	amorphous silica	7631-86-9	53.790	2.70		27028		
	plastics	epoxy resin	-	95.881	4.82		48177		
	inorganic material	glass fibre wool	65997-17-3	107.581	5.41		54056		
plating	non noble metal	copper	7440-50-8	517.918	26.02	42.83	260236	428286	
	noble metal	gold	7440-57-5	0.489	0.02		245		
solderball	non noble metal	nickel	7440-02-0	1.337	0.07	0.09	672	917	
	noble metal	silver	7440-22-4	8.700	0.44		4371		
glue	non noble metal	tin	7440-31-5	239.863	12.05	12.49	120523	124894	
	plastics	epoxy resin	-	1.961	0.10		985		
*deviation	< 10%			5.883	0.30	0.40	2956	3941	
						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