



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC1784F-320F180EP BA		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001507156					
<b>Package</b>				PG-LFBGA-292-6		<b>Weight*</b>		934.82 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	20.624	2.21	2.21	22062	22062	
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	1493	1508	
encapsulation	organic material	carbon black	1333-86-4	0.711	0.08		761		
	plastics	epoxy resin	-	49.060	5.25		52480		
substrate	inorganic material	silicondioxide	60676-86-0	305.734	32.71	38.04	327049	380290	
	plastics	epoxy resin	-	6.479	0.69		6931		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10635		
	plastics	acrylic resin	-	11.506	1.23		12308		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.70		56979		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.54		65420		
plating	inorganic material	glass fibre	-	82.857	8.86		88634		
	non noble metal	copper	7440-50-8	196.577	21.03	45.11	210283	451190	
solderball	noble metal	gold	7440-57-5	1.231	0.13		1317		
	non noble metal	nickel	7440-02-0	3.370	0.36	0.49	3605	4922	
glue	noble metal	silver	7440-22-4	4.457	0.48		4768		
	non noble metal	tin	7440-31-5	122.898	13.15	13.63	131467	136235	
*deviation	plastics	epoxy resin	-	0.887	0.09		948		
	noble metal	silver	7440-22-4	2.660	0.28	0.37	2845	3793	
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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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