



Material Content Data Sheet



Sales Product Name				SAK-TC1798F-512F300EP AB		Issued		1. August 2018	
MA#				MA002285168					
Package				PG-LFBGA-516-8		Weight*		1987.41 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	1.58	1.58	15795	15795	
wire	noble metal	palladium	7440-05-3	0.023	0.00		12		
	non noble metal	copper	7440-50-8	2.308	0.12	0.12	1161	1173	
encapsulation	organic material	carbon black	1333-86-4	1.689	0.08		850		
	plastics	epoxy resin	-	116.533	5.86		58636		
	inorganic material	silicondioxide	60676-86-0	726.222	36.55	42.49	365411	424897	
substrate	inorganic material	bariumsulfate	7727-43-7	23.317	1.17		11732		
	plastics	acrylic resin	-	26.985	1.36		13578		
	inorganic material	Metal Hydroxide	-	32.274	1.62		16239		
	inorganic material	silicondioxide	60676-86-0	102.202	5.14		51425		
	plastics	epoxy resin	-	192.704	9.70		96962		
	inorganic material	glass fibre	-	225.920	11.37		113676		
	non noble metal	copper	7440-50-8	248.966	12.53	42.89	125271	428883	
plating	noble metal	gold	7440-57-5	1.626	0.08		818		
	non noble metal	nickel	7440-02-0	1.626	0.08	0.16	818	1636	
solderball	noble metal	silver	7440-22-4	8.700	0.44		4377		
	non noble metal	tin	7440-31-5	239.863	12.07	12.51	120691	125068	
glue	plastics	epoxy resin	-	1.266	0.06		637		
	noble metal	silver	7440-22-4	3.797	0.19	0.25	1911	2548	
*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.
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