



Material Content Data Sheet



Sales Product Name		SAK-XC164CS-16F40F BB		Issued		27. September 2017		
MA#		MA001476396						
Package		PG-TQFP-100-5		Weight*		699.17 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	28.260	4.04	4.04	40420	40420
leadframe	non noble metal	magnesium	7439-95-4	0.282	0.04		403	
	inorganic material	silicon	7440-21-3	1.222	0.17		1747	
	non noble metal	nickel	7440-02-0	5.638	0.81		8064	
wire	non noble metal	copper	7440-50-8	180.785	25.86	26.88	258573	268787
	noble metal	gold	7440-57-5	3.501	0.50	0.50	5007	5007
	encapsulation	organic material	carbon black	1333-86-4	2.322	0.33		3321
plastics	plastics	epoxy resin	-	62.690	8.97		89664	
	inorganic material	silicondioxide	60676-86-0	399.359	57.11	66.41	571193	664178
	leadfinish	non noble metal	tin	7440-31-5	6.201	0.89	0.89	8869
plating	noble metal	silver	7440-22-4	3.477	0.50	0.50	4973	4973
glue	plastics	epoxy resin	-	1.086	0.16		1553	
	noble metal	silver	7440-22-4	4.344	0.62	0.78	6213	7766
*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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