



Material Content Data Sheet



Sales Product Name		SAK-XC164CS-32F40F BB-A		Issued		24. January 2018		
MA#		MA001506890						
Package		PG-TQFP-100-5		Weight*		699.69 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	33.010	4.72	4.72	47177	47177
leadframe	non noble metal	magnesium	7439-95-4	0.282	0.04		403	
	inorganic material	silicon	7440-21-3	1.222	0.17		1746	
	non noble metal	nickel	7440-02-0	5.638	0.81		8058	
wire	non noble metal	copper	7440-50-8	180.785	25.84	26.86	258378	268585
	noble metal	gold	7440-57-5	2.953	0.42	0.42	4221	4221
encapsulation	organic material	carbon black	1333-86-4	2.300	0.33		3288	
	plastics	epoxy resin	-	62.107	8.88		88763	
	inorganic material	silicondioxide	60676-86-0	395.643	56.54	65.75	565453	657504
leadfinish	non noble metal	tin	7440-31-5	6.201	0.89	0.89	8862	8862
plating	noble metal	silver	7440-22-4	3.477	0.50	0.50	4970	4970
glue	plastics	epoxy resin	-	1.215	0.17		1736	
	noble metal	silver	7440-22-4	4.859	0.69	0.86	6945	8681
*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

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