



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-XC164CS-16F40F BB	Issued	10. May 2021
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	
	non noble metal	copper	7440-50-8	180.785	25.86	26.88	258573	268787
wire	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	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	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.
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 Neubiberg
Internet	www.infineon.com