



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SAK-XC164CS-16F40F BB	<b>Issued</b>	10. May 2021
<b>MA#</b>	MA001506838		
<b>Package</b>	PG-TQFP-100-5	<b>Weight*</b>	717.63 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	3.94	3.94	39380	39380
leadframe	non noble metal	magnesium	7439-95-4	0.301	0.04		420	
	inorganic material	silicon	7440-21-3	1.305	0.18		1819	
	non noble metal	nickel	7440-02-0	6.023	0.84		8393	
	non noble metal	copper	7440-50-8	193.148	26.91	27.97	269146	279778
wire	noble metal	gold	7440-57-5	3.501	0.49	0.49	4878	4878
encapsulation	organic material	carbon black	1333-86-4	2.336	0.33		3256	
	plastics	epoxy resin	-	63.082	8.79		87903	
	inorganic material	silicondioxide	60676-86-0	401.854	55.99	65.11	559972	651131
leadfinish	non noble metal	tin	7440-31-5	6.211	0.87	0.87	8655	8655
plating	noble metal	silver	7440-22-4	6.180	0.86	0.86	8612	8612
glue	plastics	epoxy resin	-	1.086	0.15		1513	
	noble metal	silver	7440-22-4	4.344	0.61	0.76	6053	7566
*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