

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XC164CS-16F40F BB	**Issued**	18. August 2021
MA#	MA005578864		
Package	PG-TQFP-100-5	**Weight***	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.
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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