

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XC167CI-16F40F BB	**Issued**	24. September 2019
MA#	MA001322916		
Package	PG-TQFP-144-7	**Weight***	1403.14 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	2.01	2.01	20141	20141
leadframe	non noble metal	magnesium	7439-95-4	0.529	0.04		377	
	inorganic material	silicon	7440-21-3	2.293	0.16		1634	
	non noble metal	nickel	7440-02-0	10.581	0.75		7541	
	non noble metal	copper	7440-50-8	339.310	24.18	25.13	241821	251373
wire	noble metal	gold	7440-57-5	4.190	0.30	0.30	2986	2986
encapsulation	organic material	carbon black	1333-86-4	4.995	0.36		3560	
	plastics	epoxy resin	-	134.875	9.61		96124	
	inorganic material	silicondioxide	60676-86-0	859.207	61.24	71.21	612345	712029
leadfinish	non noble metal	tin	7440-31-5	8.638	0.62	0.62	6156	6156
plating	noble metal	silver	7440-22-4	4.833	0.34	0.34	3445	3445
glue	plastics	epoxy resin	-	1.086	0.08		774	
	noble metal	silver	7440-22-4	4.344	0.31	0.39	3096	3870
*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

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