



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-XC164CM-16F40F BA	Issued	05. June 2021
MA#	MA001296556		
Package	PG-LQFP-64-4	Weight*	379.94 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	19.143	5.04	5.04	50383	50383
leadframe	non noble metal	magnesium	7439-95-4	0.179	0.05		471	
	inorganic material	silicon	7440-21-3	0.775	0.20		2040	
	non noble metal	nickel	7440-02-0	3.578	0.94		9418	
	non noble metal	copper	7440-50-8	114.739	30.20	31.39	301992	313921
wire	noble metal	gold	7440-57-5	1.871	0.49	0.49	4925	4925
encapsulation	organic material	carbon black	1333-86-4	1.148	0.30		3023	
	plastics	epoxy resin	-	31.008	8.16		81614	
	inorganic material	silicondioxide	60676-86-0	197.535	52.00	60.46	519912	604549
leadfinish	non noble metal	tin	7440-31-5	4.118	1.08	1.08	10838	10838
plating	noble metal	silver	7440-22-4	1.710	0.45	0.45	4502	4502
glue	plastics	epoxy resin	-	0.827	0.22		2176	
	noble metal	silver	7440-22-4	3.308	0.87	1.09	8706	10882
*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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