

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAF-XC164CM-16F40F BA	**Issued**	19. January 2018
MA#	MA001296552		
Package	PG-LQFP-64-4	**Weight***	375.50 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	5.10	5.10	50979	50979
leadframe	non noble metal	magnesium	7439-95-4	0.174	0.05		464	
	inorganic material	silicon	7440-21-3	0.755	0.20		2010	
	non noble metal	nickel	7440-02-0	3.484	0.93		9278	
	non noble metal	copper	7440-50-8	111.722	29.75	30.93	297526	309278
wire	noble metal	gold	7440-57-5	1.871	0.50	0.50	4983	4983
encapsulation	organic material	carbon black	1333-86-4	1.142	0.30		3042	
	plastics	epoxy resin	-	30.842	8.21		82137	
	inorganic material	silicondioxide	60676-86-0	196.478	52.33	60.84	523241	608420
leadfinish	non noble metal	tin	7440-31-5	4.066	1.08	1.08	10827	10827
plating	noble metal	silver	7440-22-4	1.690	0.45	0.45	4502	4502
glue	plastics	epoxy resin	-	0.827	0.22		2202	
	noble metal	silver	7440-22-4	3.308	0.88	1.10	8809	11011
*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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