

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC4400-F64K512 BA	**Issued**	11. December 2019
MA#	MA001414312		
Package	PG-TQFP-64-19	**Weight***	383.64 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	24.887	6.49	6.49	64873	64873
leadframe	non noble metal	magnesium	7439-95-4	0.169	0.04		441	
	inorganic material	silicon	7440-21-3	0.734	0.19		1913	
	non noble metal	nickel	7440-02-0	3.387	0.88		8829	
	non noble metal	copper	7440-50-8	108.609	28.31	29.42	283104	294287
wires	noble metal	gold	7440-57-5	0.001	0.00		3	
	noble metal	palladium	7440-05-3	0.022	0.01		58	
	non noble metal	copper	7440-50-8	0.989	0.26	0.27	2578	2639
encapsulation	organic material	carbon black	1333-86-4	0.696	0.18		1813	
	plastics	epoxy resin	-	27.131	7.07		70721	
	inorganic material	silicondioxide	60676-86-0	204.061	53.18	60.43	531916	604450
leadfinish	non noble metal	tin	7440-31-5	6.741	1.76	1.76	17572	17572
plating	noble metal	silver	7440-22-4	0.519	0.14	0.14	1352	1352
glue	plastics	epoxy resin	-	1.251	0.33		3262	
	noble metal	silver	7440-22-4	4.437	1.16	1.49	11565	14827
*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 München
Internet	www.infineon.com