

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC4104-F64K64 BA	**Issued**	22. April 2022
MA#	MA001414710		
Package	PG-TQFP-64-19	**Weight***	382.34 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	17.911	4.68	4.68	46845	46845
leadframe	non noble metal	magnesium	7439-95-4	0.169	0.04		443	
	inorganic material	silicon	7440-21-3	0.734	0.19		1919	
	non noble metal	nickel	7440-02-0	3.387	0.89		8859	
	non noble metal	copper	7440-50-8	108.609	28.41	29.53	284064	295285
wires	noble metal	gold	7440-57-5	0.001			3	
	noble metal	palladium	7440-05-3	0.026	0.01		67	
	non noble metal	copper	7440-50-8	1.137	0.30	0.31	2973	3043
encapsulation	organic material	carbon black	1333-86-4	0.715	0.19		1871	
	plastics	epoxy resin	-	27.894	7.30		72955	
	inorganic material	silicondioxide	60676-86-0	209.798	54.86	62.35	548724	623550
leadfinish	non noble metal	tin	7440-31-5	6.741	1.76	1.76	17631	17631
plating	noble metal	silver	7440-22-4	0.519	0.14	0.14	1357	1357
glue	plastics	epoxy resin	-	1.034	0.27		2704	
	noble metal	silver	7440-22-4	3.665	0.96	1.23	9585	12289
*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.

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