



Material Content Data Sheet



Sales Product Name	XMC4104-Q48K128 BA			Issued		25. July 2019		
MA#	MA001301744							
Package	PG-VQFN-48-71			Weight*		135.28 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	10.110	7.47	7.47	74732	74732
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		130	
	non noble metal	zinc	7440-66-6	0.070	0.05		519	
	non noble metal	iron	7439-89-6	1.403	1.04		10372	
	non noble metal	copper	7440-50-8	56.970	42.13	43.23	421137	432158
wires	noble metal	palladium	7440-05-3	0.006	0.00		43	
	non noble metal	copper	7440-50-8	0.582	0.43	0.43	4300	4343
encapsulation	organic material	carbon black	1333-86-4	0.184	0.14		1359	
	plastics	epoxy resin	-	9.619	7.11		71105	
	inorganic material	silicondioxide	60676-86-0	51.465	38.04	45.29	380437	452901
leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		4	
	noble metal	silver	7440-22-4	0.000	0.00		4	
	noble metal	gold	7440-57-5	0.001	0.00		6	
	non noble metal	nickel	7440-02-0	0.886	0.65	0.65	6548	6562
plating	noble metal	palladium	7440-05-3	0.001	0.00		5	
	noble metal	silver	7440-22-4	0.001	0.00		5	
	noble metal	gold	7440-57-5	0.001	0.00		9	
	non noble metal	nickel	7440-02-0	1.185	0.88	0.88	8756	8775
glue	plastics	epoxy resin	-	0.444	0.33		3285	
	noble metal	silver	7440-22-4	2.333	1.72	2.05	17244	20529
*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