



## Material Content Data Sheet



<b>Sales Product Name</b>				XMC1404-Q048X0128 AA		<b>Issued</b>		2. August 2018	
<b>MA#</b>				MA001507572					
<b>Package</b>				PG-VQFN-48-73		<b>Weight*</b>		123.47 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	1.928	1.56	1.56	15618	15618	
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		117		
	non noble metal	zinc	7440-66-6	0.058	0.05		467		
	non noble metal	iron	7439-89-6	1.154	0.93		9346		
wire	non noble metal	copper	7440-50-8	46.853	37.95	38.94	379470	389400	
	noble metal	palladium	7440-05-3	0.003	0.00		27		
	non noble metal	copper	7440-50-8	0.336	0.27	0.27	2721	2748	
encapsulation	organic material	carbon black	1333-86-4	0.212	0.17		1716		
	plastics	epoxy resin	-	11.086	8.98		89784		
	inorganic material	silicondioxide	60676-86-0	59.312	48.05	57.20	480372	571872	
leadfinish	noble metal	palladium	7440-05-3	0.000	0.00		3		
	noble metal	silver	7440-22-4	0.000	0.00		3		
	noble metal	gold	7440-57-5	0.001	0.00		5		
	non noble metal	nickel	7440-02-0	0.633	0.51	0.51	5129	5140	
plating	noble metal	silver	7440-22-4	0.001	0.00		5		
	noble metal	gold	7440-57-5	0.001	0.00		9		
	noble metal	palladium	7440-05-3	0.001	0.00		5		
	non noble metal	nickel	7440-02-0	1.069	0.87	0.87	8659	8678	
glue	plastics	epoxy resin	-	0.129	0.10		1047		
	noble metal	silver	7440-22-4	0.679	0.55	0.65	5497	6544	
*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