



## Material Content Data Sheet



<b>Sales Product Name</b>				XMC1404-Q040X0200 AA		<b>Issued</b>		31. July 2018	
<b>MA#</b>				MA002172780					
<b>Package</b>				PG-VQFN-40-17		<b>Weight*</b>		69.40 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	2.78	2.78	27787	27787	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		135		
	non noble metal	zinc	7440-66-6	0.037	0.05		539		
	non noble metal	iron	7439-89-6	0.748	1.08		10778		
wires	non noble metal	copper	7440-50-8	30.371	43.77	44.91	437650	449102	
	noble metal	palladium	7440-05-3	0.003	0.00		36		
	non noble metal	copper	7440-50-8	0.248	0.36	0.36	3580	3616	
encapsulation	organic material	carbon black	1333-86-4	0.102	0.15		1474		
	plastics	epoxy resin	-	5.352	7.71		77117		
	inorganic material	silicondioxide	60676-86-0	28.633	41.26	49.12	412598	491189	
leadfinish	noble metal	silver	7440-22-4	0.000	0.00		4		
	noble metal	palladium	7440-05-3	0.000	0.00		5		
	noble metal	gold	7440-57-5	0.001	0.00		8		
	non noble metal	nickel	7440-02-0	0.544	0.78	0.78	7846	7863	
plating	noble metal	palladium	7440-05-3	0.000	0.00		5		
	noble metal	silver	7440-22-4	0.000	0.00		5		
	noble metal	gold	7440-57-5	0.001	0.00		9		
	non noble metal	nickel	7440-02-0	0.609	0.88	0.88	8780	8799	
glue	plastics	epoxy resin	-	0.129	0.19		1863		
	noble metal	silver	7440-22-4	0.679	0.98	1.17	9781	11644	
*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