



## Material Content Data Sheet



<b>Sales Product Name</b>				XMC1202-Q024X0032 AB		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001389454					
<b>Package</b>				PG-VQFN-24-19		<b>Weight*</b>		42.52 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	1.634	3.84	3.84	38433	38433	
leadframe	inorganic material	phosphorus	7723-14-0	0.005	0.01		124		
	non noble metal	zinc	7440-66-6	0.021	0.05		498		
	non noble metal	iron	7439-89-6	0.423	1.00		9953		
wire	non noble metal	copper	7440-50-8	17.185	40.41	41.47	404132	414707	
	noble metal	palladium	7440-05-3	0.001	0.00		33		
	non noble metal	copper	7440-50-8	0.141	0.33	0.33	3314	3347	
encapsulation	organic material	carbon black	1333-86-4	0.065	0.15		1537		
	plastics	epoxy resin	-	3.420	8.04		80429		
	inorganic material	silicondioxide	60676-86-0	18.298	43.06	51.25	430318	512284	
leadfinish	noble metal	gold	7440-57-5	0.006	0.01		149		
	noble metal	palladium	7440-05-3	0.006	0.01		149		
	noble metal	silver	7440-22-4	0.006	0.01		149		
	non noble metal	nickel	7440-02-0	0.298	0.70	0.73	7017	7464	
plating	noble metal	palladium	7440-05-3	0.008	0.02		187		
	noble metal	silver	7440-22-4	0.008	0.02		187		
	noble metal	gold	7440-57-5	0.008	0.02		187		
	non noble metal	nickel	7440-02-0	0.374	0.88	0.94	8799	9360	
glue	plastics	bismaleimide resin	-	0.123	0.29		2881		
	noble metal	silver	7440-22-4	0.490	1.15	1.44	11524	14405	
*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