



Material Content Data Sheet



Sales Product Name				XMC1302-Q040X0032 AB		Issued		20. July 2018	
MA#				MA001383664					
Package				PG-VQFN-40-13		Weight*		69.36 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	2.36	2.36	23563	23563	
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		10784		
wire	non noble metal	copper	7440-50-8	30.371	43.78	44.92	437893	449351	
	noble metal	palladium	7440-05-3	0.003	0.00		40		
	non noble metal	copper	7440-50-8	0.274	0.40	0.40	3951	3991	
encapsulation	organic material	carbon black	1333-86-4	0.103	0.15		1486		
	plastics	epoxy resin	-	5.392	7.77		77748		
	inorganic material	silicondioxide	60676-86-0	28.851	41.60	49.52	415976	495210	
leadfinish	noble metal	gold	7440-57-5	0.012	0.02		180		
	noble metal	palladium	7440-05-3	0.012	0.02		180		
	noble metal	silver	7440-22-4	0.012	0.02		180		
	non noble metal	nickel	7440-02-0	0.586	0.84	0.90	8447	8987	
plating	noble metal	palladium	7440-05-3	0.014	0.02		201		
	noble metal	silver	7440-22-4	0.014	0.02		201		
	noble metal	gold	7440-57-5	0.014	0.02		201		
	non noble metal	nickel	7440-02-0	0.656	0.95	1.01	9463	10066	
glue	plastics	bismaleimide resin	-	0.123	0.18		1766		
	noble metal	silver	7440-22-4	0.490	0.71	0.89	7066	8832	
*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