



Material Content Data Sheet



Sales Product Name				XMC1301-Q024F0016 AB		Issued		19. July 2018	
MA#				MA001467436					
Package				PG-VQFN-24-19		Weight*		42.45 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	3.85	3.85	38498	38498	
leadframe	inorganic material	phosphorus	7723-14-0	0.005	0.01		125		
	non noble metal	zinc	7440-66-6	0.021	0.05		498		
	non noble metal	iron	7439-89-6	0.423	1.00		9970		
wire	non noble metal	copper	7440-50-8	17.185	40.48	41.54	404820	415413	
	noble metal	palladium	7440-05-3	0.001	0.00		34		
	non noble metal	copper	7440-50-8	0.141	0.33	0.33	3320	3354	
encapsulation	organic material	carbon black	1333-86-4	0.065	0.15		1540		
	plastics	epoxy resin	-	3.422	8.06		80603		
	inorganic material	silicondioxide	60676-86-0	18.307	43.14	51.35	431250	513393	
leadfinish	noble metal	gold	7440-57-5	0.006	0.01		132		
	noble metal	palladium	7440-05-3	0.006	0.01		132		
	noble metal	silver	7440-22-4	0.006	0.01		132		
	non noble metal	nickel	7440-02-0	0.264	0.62	0.65	6219	6615	
plating	noble metal	palladium	7440-05-3	0.007	0.02		166		
	noble metal	silver	7440-22-4	0.007	0.02		166		
	noble metal	gold	7440-57-5	0.007	0.02		166		
	non noble metal	nickel	7440-02-0	0.331	0.78	0.84	7799	8297	
glue	plastics	bismaleimide resin	-	0.123	0.29		2886		
	noble metal	silver	7440-22-4	0.490	1.15	1.44	11544	14430	
*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