



## Material Content Data Sheet



<b>Sales Product Name</b>				XMC4400-F64F256 BA		<b>Issued</b>		22. January 2018	
<b>MA#</b>				MA001604074					
<b>Package</b>				PG-TQFP-64-19		<b>Weight*</b>		383.72 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	24.887	6.49	6.49	64859	64859	
leadframe	non noble metal	magnesium	7439-95-4	0.169	0.04		441		
	inorganic material	silicon	7440-21-3	0.734	0.19		1912		
wire	non noble metal	nickel	7440-02-0	3.387	0.88		8827		
	non noble metal	copper	7440-50-8	108.609	28.30	29.41	283042	294222	
	noble metal	gold	7440-57-5	0.001	0.00		3		
encapsulation	noble metal	palladium	7440-05-3	0.022	0.01		58		
	non noble metal	copper	7440-50-8	0.989	0.26	0.27	2578	2639	
	organic material	carbon black	1333-86-4	0.696	0.18		1813		
	plastics	epoxy resin	-	27.131	7.07		70705		
leadfinish	inorganic material	silicondioxide	60676-86-0	204.061	53.17	60.42	531799	604317	
	non noble metal	tin	7440-31-5	6.825	1.78	1.78	17787	17787	
plating	noble metal	silver	7440-22-4	0.519	0.14	0.14	1352	1352	
glue	plastics	epoxy resin	-	1.251	0.33		3261		
	noble metal	silver	7440-22-4	4.437	1.16	1.49	11563	14824	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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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