



Material Content Data Sheet



Sales Product Name				XMC4400-F64K512 BA		Issued		19. July 2018	
MA#				MA001414312					
Package				PG-TQFP-64-19		Weight*		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		
	non noble metal	nickel	7440-02-0	3.387	0.88		8827		
wire	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		
	noble metal	palladium	7440-05-3	0.022	0.01		58		
encapsulation	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	
	noble metal	silver	7440-22-4	0.519	0.14	0.14	1352	1352	
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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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

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