



Material Content Data Sheet



Sales Product Name				XMC4100-F64F128 BA		Issued		24. January 2018	
MA#				MA001414714					
Package				PG-TQFP-64-19		Weight*		382.43 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	17.911	4.68	4.68	46834	46834	
leadframe	non noble metal	magnesium	7439-95-4	0.169	0.04		443		
	inorganic material	silicon	7440-21-3	0.734	0.19		1919		
	non noble metal	nickel	7440-02-0	3.387	0.89		8856		
wire	non noble metal	copper	7440-50-8	108.609	28.40	29.52	283998	295216	
	noble metal	gold	7440-57-5	0.001	0.00		3		
	noble metal	palladium	7440-05-3	0.026	0.01		67		
encapsulation	non noble metal	copper	7440-50-8	1.142	0.30	0.31	2986	3056	
	organic material	carbon black	1333-86-4	0.715	0.19		1870		
	plastics	epoxy resin	-	27.894	7.29		72938		
leadfinish	inorganic material	silicondioxide	60676-86-0	209.798	54.86	62.34	548595	623403	
	non noble metal	tin	7440-31-5	6.825	1.78	1.78	17848	17848	
	noble metal	silver	7440-22-4	0.519	0.14	0.14	1357	1357	
plating	noble metal	silver	7440-22-4	0.519	0.14	0.14	1357	1357	
glue	plastics	epoxy resin	-	1.034	0.27		2703		
	noble metal	silver	7440-22-4	3.665	0.96	1.23	9583	12286	
*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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