



## Material Content Data Sheet



<b>Sales Product Name</b>				XMC4400-F100F512 BA		<b>Issued</b>		24. January 2018	
<b>MA#</b>				MA001606910					
<b>Package</b>				PG-LQFP-100-25		<b>Weight*</b>		668.79 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	27.653	4.13	4.13	41347	41347	
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		341		
	inorganic material	silicon	7440-21-3	0.988	0.15		1477		
	non noble metal	nickel	7440-02-0	4.559	0.68		6817		
wire	non noble metal	copper	7440-50-8	146.196	21.86	22.72	218596	227231	
	noble metal	gold	7440-57-5	0.002	0.00		3		
	noble metal	palladium	7440-05-3	0.043	0.01		65		
encapsulation	non noble metal	copper	7440-50-8	1.919	0.29	0.30	2869	2937	
	organic material	carbon black	1333-86-4	1.416	0.21		2118		
	plastics	epoxy resin	-	55.242	8.26		82599		
leadfinish	inorganic material	silicondioxide	60676-86-0	415.492	62.13	70.60	621255	705972	
	non noble metal	tin	7440-31-5	7.134	1.07	1.07	10667	10667	
	plating	noble metal	silver	7440-22-4	1.213	0.18	0.18	1813	1813
glue	plastics	epoxy resin	-	1.476	0.22		2207		
	noble metal	silver	7440-22-4	5.234	0.78	1.00	7826	10033	
*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

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