



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC4502-F100K768 AC		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001620948						
<b>Package</b>		PG-LQFP-100-11		<b>Weight*</b>		764.76 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	43.832	5.73	5.73	57314	57314
leadframe	inorganic material	phosphorus	7723-14-0	0.072	0.01		94	
	non noble metal	zinc	7440-66-6	0.286	0.04		374	
	non noble metal	iron	7439-89-6	5.726	0.75		7487	
wire	non noble metal	copper	7440-50-8	232.490	30.40	31.20	304003	311958
	non noble metal	copper	7440-50-8	1.941	0.25	0.25	2538	2538
	encapsulation	organic material	carbon black	1333-86-4	2.288	0.30		2992
plastics		epoxy resin	-	61.779	8.08		80782	
	inorganic material	silicondioxide	60676-86-0	393.554	51.45	59.83	514608	598382
leadfinish	non noble metal	tin	7440-31-5	9.873	1.29	1.29	12910	12910
plating	noble metal	silver	7440-22-4	2.029	0.27	0.27	2653	2653
glue	plastics	epoxy resin	-	2.723	0.36		3561	
	noble metal	silver	7440-22-4	8.170	1.07	1.43	10684	14245
*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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