



## Material Content Data Sheet



<b>Sales Product Name</b>				XMC4800-F100K2048 AA		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001488356					
<b>Package</b>				PG-LQFP-100-25		<b>Weight*</b>		670.82 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	40.070	5.97	5.97	59734	59734	
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		340		
	inorganic material	silicon	7440-21-3	0.988	0.15		1473		
	non noble metal	nickel	7440-02-0	4.559	0.68		6796		
wire	non noble metal	copper	7440-50-8	146.196	21.79	22.65	217937	226546	
	noble metal	gold	7440-57-5	0.002	0.00		2		
	noble metal	palladium	7440-05-3	0.034	0.00		50		
encapsulation	non noble metal	copper	7440-50-8	1.489	0.22	0.22	2219	2271	
	organic material	carbon black	1333-86-4	1.382	0.21		2060		
	plastics	epoxy resin	-	53.898	8.03		80347		
leadfinish	inorganic material	silicondioxide	60676-86-0	405.385	60.45	68.69	604317	686724	
	non noble metal	tin	7440-31-5	7.046	1.05	1.05	10504	10504	
	noble metal	silver	7440-22-4	1.213	0.18	0.18	1808	1808	
plating	noble metal	silver	7440-22-4	1.213	0.18	0.18	1808	1808	
glue	plastics	epoxy resin	-	1.832	0.27		2731		
	noble metal	silver	7440-22-4	6.495	0.97	1.24	9682	12413	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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