



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC1401-F064F0064 AA		<b>Issued</b>		5. July 2016		
<b>MA#</b>		MA001508096						
<b>Package</b>		PG-LQFP-64-26		<b>Weight*</b>		362.03 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	2.892	0.80	0.80	7990	7990
leadframe	inorganic material	phosphorus	7723-14-0	0.031	0.01		85	
	non noble metal	zinc	7440-66-6	0.123	0.03		340	
	non noble metal	iron	7439-89-6	2.465	0.68		6808	
wire	non noble metal	copper	7440-50-8	100.070	27.64	28.36	276413	283646
	noble metal	palladium	7440-05-3	0.006	0.00		16	
encapsulation	non noble metal	copper	7440-50-8	0.559	0.15	0.15	1543	1559
	organic material	carbon black	1333-86-4	0.751	0.21		2073	
	plastics	epoxy resin	-	29.273	8.09		80857	
leadfinish	inorganic material	silicondioxide	60676-86-0	220.171	60.81	69.11	608155	691085
	non noble metal	tin	7440-31-5	4.118	1.14	1.14	11374	11374
plating	noble metal	silver	7440-22-4	0.434	0.12	0.12	1199	1199
glue	plastics	epoxy resin	-	0.285	0.08		787	
	noble metal	silver	7440-22-4	0.854	0.24	0.32	2360	3147
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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